PUBLIC DISCLOSURE STATEMENT

2XE PTY LTD

ORGANISATION CERTIFICATION
FY2024–25

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	2XE Pty Ltd
REPORTING PERIOD	Financial year 1 July 2024 – 30 June 2025 Arrears report
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.* 
	Nick Palousis Managing Director 19/12/2025

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

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Version 10.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	85 tCO_2-e
CARBON OFFSETS USED	100% CERs
RENEWABLE ELECTRICITY	100%
CARBON ACCOUNT	Prepared by: 2XE PTY LTD
TECHNICAL ASSESSMENT	9 December 2024 for FY 2023-24 Rachel Brdanovic Tandem Energy Next technical assessment due: FY 2026-27

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2. CERTIFICATION INFORMATION

Description of organisation certification

This organisation certification is for the business operations of 2XE Pty Ltd, ABN 24 149 188 125, including the subsidiaries listed in the table below.

We are a carbon and energy management consultancy based in North Adelaide, South Australia, providing services across South Australia, interstate, and overseas. Emissions from our overseas business activities are included within this inventory boundary.

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 FY23-24 service certification claim is provided in a separate Public Disclosure Statement.

This Public Disclosure Statement includes information for FY24-25 reporting period.

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 premises where the organisation has significantly more control over building operations. Business activity increased compared to previous years, driven by higher demand for emissions reporting under mandatory climate disclosures. This growth has also expanded our outreach, resulting in new international engagements in Singapore and Malaysia. Emissions from all overseas business activities are included within this inventory boundary.

The organisation has no subsidiaries, and no subsidiary operations are included in this certification.

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

Quantified

- Cleaning and chemicals
- Electricity
- Food
- ICT services and equipment
- Machinery and vehicles
- Office equipment and supplies
- Postage, courier and freight
- Products
- Professional services
- Refrigerants
- Stationary energy
- Transport (land and sea)
- Waste
- Water
- Working from home

Non-quantified

N/A

Outside emission boundary

Excluded

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. Business demand has increased due to mandatory climate disclosures, resulting in greater use of subcontracted services. This, along with new engagements in Singapore and Malaysia, has delayed procurement of an electric vehicle. Purchase is anticipated in FY2026 to FY2030 and is expected to reduce emissions from staff commuting and business travel by around 15%.

Waste. We have significantly improved our waste tracking and diversion rates compared to the baseline year. Records for all waste streams are now more robust, supported by more frequent tracking of bin fullness percentages. We also introduced a separate food waste diversion stream this year, which was previously recorded under garden and green waste due to shared bins. Compared to last year, data quality has further improved through increased tracking frequency, giving more accurate bin fullness figures and a clearer view of diversion performance.

Energy. Being in its own premises during this certification year, 2XE now has full operational control over building services and energy procurement previously managed by a landlord. The site sourced 62% of its electricity from behind-the-meter solar PV installed in November 2023, with the remaining grid electricity supplied under a 100% GreenPower arrangement. From this reporting year onwards, the premises is fully electric, following replacement of the gas hot water system with a heat pump in May 2024, eliminating natural gas emissions. The ducted central air conditioning system was also serviced this year to improve performance and energy efficiency.

Procurement. 58% of the total 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

- Improved waste tracking and diversion compared to baseline by increasing bin fullness monitoring frequency and strengthening records across all waste streams.
- Added a dedicated food waste diversion stream, previously grouped under garden and green waste due to shared bins.
- Increased on-site renewable electricity use, with 62% of power supplied by behind-the-meter solar PV and the balance matched with 100% GreenPower.
- Transitioned the premises to fully electric operations by replacing the gas hot water system with a heat pump and servicing ducted air conditioning to lift energy efficiency, eliminating natural gas emissions.

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	23.2	24.36
Year 1:	2021-2022	20.7	20.7
Year 2:	2022-2023	47.9	50.3
Year 3:	2023-2024	71.71	75.3
Year 4:	2024-2025	80.22	84.24

Significant changes in emissions

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

- Higher business demand linked to mandatory climate disclosures, leading to more project delivery and associated operational activity.
- Increased business travel, particularly for new client engagements in Singapore and Malaysia.
- Greater use of subcontracted services to meet increased workloads.
- Increased traction of our Recouple online emissions tracking platform, resulting in higher spend on IT services.
- Improved data completeness and record keeping (including better capture of travel and service-based activities), which has lifted reported emissions relative to prior years.

Significant changes in emissions			
Emission source	**Previous year emissions** (t CO_2-e)	**Current year emissions** (t CO_2-e)	**Reason for change**
Computer and technical services	2.59	8.21	Emissions from electronic office equipment were reclassified to this category to reflect an updated assessment of the underlying activities
Technical services	15.18	25.26	Emissions increased due to higher business activity levels, which drove greater reliance on subcontracted services to meet operational demand.

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

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

Emissions summary

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

Emission category	Scope 1 emissions (tCO_2-e)	Scope 2 emissions (tCO_2-e)	Scope 3 emissions (tCO_2-e)	Total emissions (t CO_2-e)
Cleaning and chemicals	0.00	0.00	0.57	0.57
Electricity	0.00	0.00	0.00	0.00
Food	0.00	0.00	0.73	0.73
ICT services and equipment	0.00	0.00	8.80	8.80
Machinery and vehicles	0.00	0.00	0.10	0.10
Office equipment and supplies	0.00	0.00	2.97	2.97
Postage, courier and freight	0.00	0.00	0.02	0.02
Products	0.00	0.00	0.13	0.13
Professional services	0.00	0.00	46.55	46.55
Refrigerants	0.19	0.00	0.00	0.19
Stationary energy (gaseous fuels)	0.00	0.00	0.00	0.00
Stationary energy (liquid fuels)	0.00	0.00	0.00	0.00
Stationary energy (solid fuels)	0.00	0.00	0.00	0.00
Transport (land and sea)	0.00	0.00	11.48	11.48
Waste	0.00	0.00	8.03	8.03
Water	0.00	0.00	0.10	0.10
Working from home	0.00	0.00	0.56	0.56
Total emissions (tCO_2-e)	**0.19**	**0.00**	**80.03**	**80.22**

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	4.012
Total of all uplift factors (tCO_2-e)	4.012
Total emissions footprint to offset (tCO_2-e) *(total emissions from summary table + total of all uplift factors)*	**85**

6. CARBON OFFSETS

Eligible offsets retirement summary

This certification has taken an in-arrears offsetting approach. The total emissions to offset is 85 t CO2-e. The total number of eligible offsets used in this report is 85. Of the total eligible offsets used, 0 were previously banked and 85 were newly purchased and retired. There is no overlap between the organisational certification boundary and the service certification boundary. The emissions, activities and eligible offsets associated with each certification have been accounted for separately, and no emissions or offsets are duplicated between the two certifications.

Offsets retired for Climate Active certification

Type of offset unit	Quantity used for this reporting period	Percentage of total units used
Certified Emissions Reductions (CERs)	85	100%

Project name	Type of offset unit	Registry	Date retired	Serial number	Vintage	Total quantity retired	Quantity used in previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period	Percentage of total used this reporting period
Clean Cook Stoves in Sub-Saharan Africa by ClimateCare Limited	CER	UNFCCC	18/12/2025	GH-5-1564019-2-2-0-8438 - GH-5-1564103-2-2-0-8438	CP2:	85	0	0	85	100%
					Offset Totals:	**85**	**0**	**0**	**85**	**100%**

Co-benefits

Clean Cook Stoves in Sub-Saharan Africa by ClimateCare Limited

CookClean manufactures efficient cookstoves to displace the resources wasteful and unhealthy traditional stoves which kill 13,400 people and subject 21 million to Household Air Pollution yearly in Ghana.

This method of cooking has a devastating effect on Ghanaian forests which have been reduced to 25% of its original size. Furthermore, CookClean manufactures sustainable biomass cooking fuels made of agricultural waste and sawdust in its own 2nd production facilities to complement the stove production.

CookClean has therefore enhanced the transition of cooking on open fire to using efficient cookstoves and also transitioned from the use of environmentally unsustainable firewood to sustainable biomass fuels.

CookClean 6 years achievements:

- over 100,000 stoves disseminated

- 400,000 people impacted

- 720,000 tCO2e certified emission reduction

- 680,000 tons of trees saved

- over US-$29 million fuel savings for families

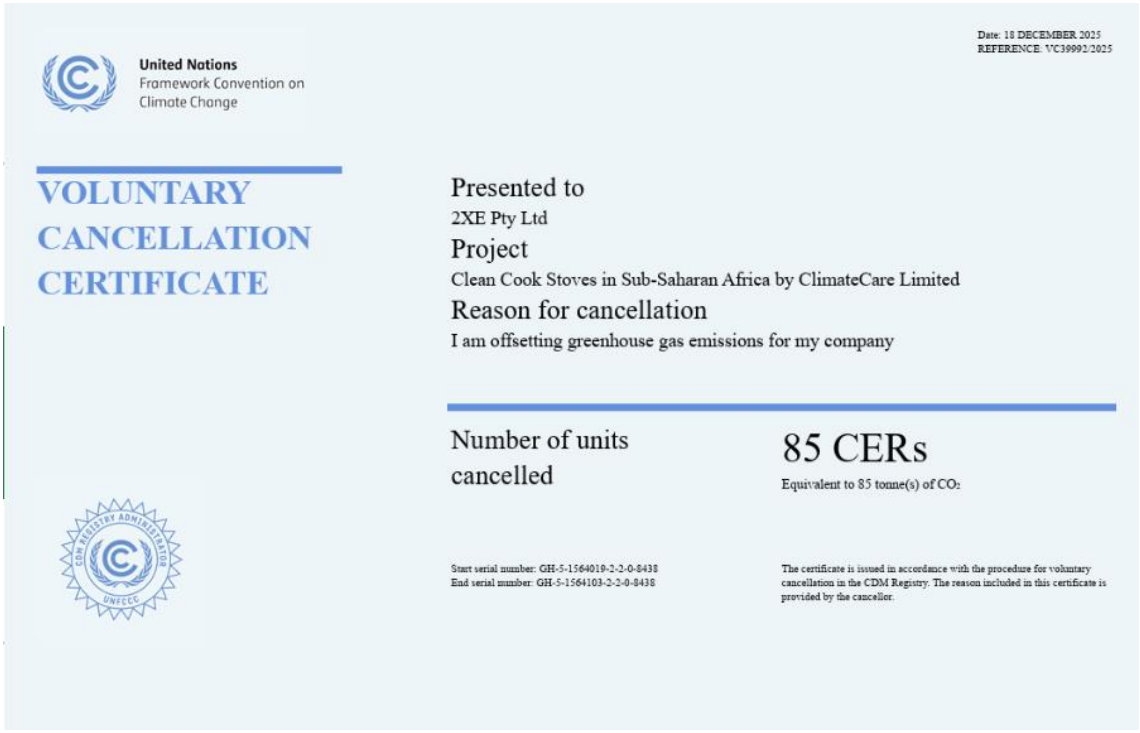
- 36 qualified employment created and 200 women in the value chain.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION



United Nations
Framework Convention on
Climate Change

Date: 18 DECEMBER 2025
REFERENCE: VC39992/2025

VOLUNTARY CANCELLATION CERTIFICATE

Presented to
2XE Pty Ltd

Project
Clean Cook Stoves in Sub-Saharan Africa by ClimateCare Limited

Reason for cancellation
I am offsetting greenhouse gas emissions for my company

Number of units cancelled

85 CERs
Equivalent to 85 tonne(s) of CO_2

Start serial number: GH-5-1564019-2-2-0-8438
End serial number: GH-5-1564103-2-2-0-8438

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 canceller.

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
Behind the meter consumption of renewable electricity generated	4,700	0	62%
Total non-grid renewable electricity	**4,700**	**0**	**62%**
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	2,921	0	38%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCS surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	0	0	0%
Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	531	0	7%
Residual Electricity	-531	-489	0%
Total renewable electricity (grid + non grid)	**8,152**	**0**	**107%**
Total grid electricity	**2,921**	**0**	**45%**
Total electricity (grid + non grid)	**7,621**	**0**	**107%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**-531**	**-489**	
Scope 2	-468	-430	
Scope 3 (includes T&D emissions from consumption under operational control)	-64	-58	
Residual electricity consumption not under operational control	**0**	**0**	
Scope 3	0	0	

Total renewables (grid and non-grid)	**106.97%**
Mandatory	**6.97%**
Voluntary	**38.33%**
Behind the meter	**61.67%**
Residual scope 2 emissions (t CO_2-e)	**-0.43**
Residual scope 3 emissions (t CO_2-e)	**-0.06**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Total emissions liability (t CO_2-e)	**0.00**

Figures may not sum to total 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	
Percentage of grid electricity consumption under operational control	**100%**	**(kWh)**	**Scope 2 Emissions ($kgCO_2$-e)**	**Scope 3 Emissions ($kgCO_2$-e)**	**(kWh)**	**Scope 3 Emissions ($kgCO_2$-e)**
SA	2,921	2,921	672	146	0	0
Grid electricity (scope 2 and 3)	**2,921**	**2,921**	**672**	**146**	**0**	**0**
SA	4,700	4,700	0	0		
Non-grid electricity (behind the meter)	**4,700**	**4,700**	**0**	**0**		
Total electricity (grid + non grid)	**7,621**					

Residual scope 2 emissions (t CO_2-e)	**0.67**
Residual scope 3 emissions (t CO_2-e)	**0.15**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.67**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.15**
Total emissions liability	**0.82**

Operations in Climate Active buildings and precincts

Operations in Climate Active buildings and precincts	Electricity consumed in Climate Active certified building/precinct (kWh)	Emissions (kg CO_2-e)
N/A	*N/A*	*N/A*
Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their building or precinct certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the building/precinct under the market-based method is outlined as such in the market-based summary table.		

Climate Active carbon neutral electricity products

Climate Active carbon neutral electricity product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO_2-e)
N/A	*N/A*	*N/A*
Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their electricity product certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the electricity product under the market-based method is outlined as such in the market-based summary table.		

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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