



PUBLIC DISCLOSURE STATEMENT


TRELLIS TECHNOLOGIES PTY LTD

ORGANISATION CERTIFICATION

CY2022

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Trellis Technologies Pty Ltd
REPORTING PERIOD	1 January 2022 – 31 December 2022 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>Pavlo Smoliy CEO 27 September 2023</p>



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

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Version March 2023.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	37 tCO ₂ -e
OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	100%
CARBON ACCOUNT	Prepared by: Trellis Technologies Pty Ltd
TECHNICAL ASSESSMENT	Not required for a small organisation

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2. CARBON NEUTRAL INFORMATION

Description of certification

Trellis Technologies Pty Ltd (ABN 15 123 897 012) is certified carbon neutral for its Australian business operations.

Organisation description

(Trellis Technologies Pty Ltd (ABN 15 123 897 012), is based at Lot Fourteen in Adelaide delivering market leading software and data as a service, which speeds up the Environmental, Social and Governance and Net Zero journey for our business, government and not-for-profit customers.

Trellis Technologies is a tenant of Stone & Chalk, based in their Adelaide facility, the Marnirni Apinhi Building at Lot 14. Stone & Chalk has been certified as a carbon neutral organization since FY2020 and therefore relevant emission sources (such as electricity, stationary energy, water, waste, etc.) and related emissions are already offset (see <https://www.climateactive.org.au/buy-climate-active/certified-members/stone-chalk>, accessed May 2023).

There is some overlap across some emissions sources including:

1. Computer and technical services supplied by Stone and Chalk include all internet related services, infrastructure and licencing. Computer screens, printers and meeting room technical equipment and related maintenance are also supported.

Trellis Technologies computer and technical services encompassed laptop computers, mice, keyboards, storage and computer management services and related software licences. There are also some additional computer screens supplied to staff for working from home.

Trellis also covered its specific server fees, web site management, data management and storage platforms and related licences as well as software development platform licenses and fees.

2. Postage, couriers and freight managed by Stone and Chalk encompassed some postal services, engagement with couriers on deliveries to their facilities.

All other postage and freight were covered by Trellis Technologies.

3. Office equipment and supplies covered by Stone and Chalk include desks, chairs, printer paper and some limited on-site storage as well as meeting room spaces furniture and related equipment. Kitchen facilities and socialising spaces are also furnished and maintained by Stone and Chalk along with toilets and showers.

Trellis Technologies office equipment includes standing desk platforms, additional screen stands (related to working from home).

3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation 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

Stationary energy and fuels
Electricity
Accommodation
Carbon neutral products and services
Cleaning and chemicals
Food
ICT services and equipment
Professional services
Office equipment and supplies
Postage, courier and freight
Transport (air)
Transport (land and sea)
Waste
Water
Host electricity
Host natural gas
Host stationary fuel
Host IT and telecommunications
Host Postage and freight
Host cleaning services
Host waste
Host water
Host refrigerants

Non-quantified

NA

Optionally included

NA

Outside emission boundary

Excluded

NA

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Trellis Technologies is an Adelaide-based client of Stone & Chalk (Stone and Chalk Ltd, ABN 29 603 489 229), which is an innovation and technical services support company that works to assist the growth and development of emerging tech sector start-ups.

Stone & Chalk has been registered as carbon neutral with Climate Active since FY2020 and consequently, all emissions related to utilities (electricity, natural gas, water and waste management) as well as components of business support (office equipment and supplies, cleaning services, etc.) have been partially managed via our hosts.

Total emissions for Trellis Technologies' CY2021 baseline year were 22 tCO₂-e, with an emissions intensity of 2.68 tCO₂-e/FTE.

For CY2022 the emissions intensity was around 4.01 tCO₂-e/FTE, which is an increase close to 50% compared to the baseline. This increase was related to high growth in staff recruitment services, related business travel and higher staff commuting (see significant changes in emissions below).

With comparatively low emissions spread over a range of sources, as well as some apparent volatility from year to year owing to the growing nature of the business, emissions reduction strategies are therefore challenging.

However, Trellis Technologies will aim to reduce its emissions intensity by 50% of their CY2021 baseline by 2030 (i.e. ~1.34 tCO₂-e/FTE), with actions including (but not limited to):

- Greater use of remote meeting options in lieu of business travel.

One of the major learnings from the Covid pandemic has been an increased uptake and support for online meeting options. There is an expectation that there will be substantially lower business-related travel.

This strategy targets ~15% of CY2022 emissions.

Timeframe for delivery: immediate and ongoing.

- Preferring carbon neutral suppliers across our supply chain.

Electricity, water, waste and many IT services are already acquitted via our Stone and Chalk hosts, but other products and services will preference those with accredited carbon neutrality.

Professional services encompassed ~50% of CY2022 emissions.

Timeframe for delivery: immediate and ongoing.

- Encouraging use of less intensive modes of transport for staff commuting.

Cycling, walking and public transport will be encouraged across staff. Management is exploring mechanisms to encourage bicycles for staff commuting.

Explore the potential for novated vehicle lease agreements to encourage staff to update their personal vehicles to electric and plug-in hybrid vehicles that attract the highest tax incentive.

Staff commuting encompasses ~16% of the CY2022 emissions profile.

Timeframe for delivery: 0-2 years.

Emissions reduction actions

Emissions have increased relative to CY2021, largely due to increased staff, movement of staff to more remote locations that required more carbon intensive transport and improved data acquisition.

Stone and Chalk related emissions apportioned to Trellis Technologies are estimated to encompass around 11 tCO₂-e, meaning emissions for the enterprise would otherwise be in the order of 49 tCO₂-e.

The potential for novated vehicle lease agreements has been presented to staff as a tax benefit incentive. Electric and plug-in hybrid vehicles attract the highest tax incentive and staff were encouraged to take up this offering.

5. EMISSIONS SUMMARY

Emissions over time

		Emissions since base year	
		Total tCO ₂ -e (without uplift)	Total tCO ₂ -e (with uplift)
Base year/ Year 1:	2021	19.9	21.9
Year 2:	2022	35.07	36.82

Significant changes in emissions

Total emissions have increased relative to CY 2021 owing to a number of factors, including:

1. Increase in the number of staff, going from 8 persons in CY2021 baseline to 18 persons by the end of CY2022 (although the FTE total for CY2022 was only marginally higher than CY2021).

This trend is expected to continue.

2. Increased emissions factor coverage

Increased staff and a range of related business opportunities has resulted in an expansion of the relevant emissions sources that need to be included, in particular a range of professional services related to recruitment.

3. Expanded business travel

Easing of Covid restrictions and increased interstate business opportunities has resulted in increased national travel.

4. Volatility in staff commuting

Apart from growth in staff, there have also been changes in commuting habits across existing staff owing to lifestyle and residential location changes.

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	2.27	6.14	Transition to laptops across staff as a result of easing COVID restrictions
Short economy class flights (>400km, ≤3,700km)	1.08	5.09	Business travel has increased with the easing of travel restrictions
Large Car: unknown fuel	6.72	4.29	Staff have increasingly been using other forms of transport

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

Certified brand name	Product/Service/Building/Precinct used
Stone and Chalk	Stone and Chalk as hosts of Trellis Technologies has been carbon neutral since FY2020.

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 (tCO ₂ -e)	Sum of scope 2 (tCO ₂ -e)	Sum of scope 3 (tCO ₂ -e)	Sum of total emissions (t CO ₂ -e)
Bespoke	0.00	0.00	0.00	0.00
Cleaning and chemicals	0.00	0.00	0.00	0.00
Climate Active Carbon Neutral Products and Services	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00
Food	0.00	0.00	0.47	0.47
ICT services and equipment	0.00	0.00	6.45	6.45
Office equipment & supplies	0.00	0.00	1.27	1.27
Postage, courier and freight	0.00	0.00	0.00	0.00
Professional Services	0.00	0.00	15.38	15.38
Refrigerants	0.00	0.00	0.00	0.00
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 (Air)	0.00	0.00	5.09	5.09
Transport (Land and Sea)	0.00	0.00	5.88	5.88
Waste	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00
Working from home	0.00	0.00	0.53	0.53
Total	0.00	0.00	35.07	35.07

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
Compulsory additional 5% of the total to be added for small organisations.	1.75
Total of all uplift factors	1.75
Total emissions footprint to offset <i>(total emissions from summary table + total of all uplift factors)</i>	36.82

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 37 t CO₂-e. The total number of eligible offsets used in this report is 37. Of the total eligible offsets used, 0 were previously banked and 0 were newly purchased and retired. Zero are remaining and have been banked for future use.

Co-benefits

NA

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 (%)	
Macaúbas Landfill Gas Project - CER Conversion	VCU	Verra	02/06/2023	14597-611153570-611153606-VCS-VCU-394-VER-BR-13-3010-11092017-02032020-0 https://registry.verra.org/myModule/rpt/myrpt.asp?r=206&h=197200	2020	0	37	0	0	37	100 %	
Total eligible offsets retired and used for this report										37		
Total eligible offsets retired this report and banked for use in future reports									37			

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Verified Carbon Units (VCUs)	37 tCO ₂ -e	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

NA

APPENDIX A: ADDITIONAL INFORMATION

NA

APPENDIX B: ELECTRICITY SUMMARY

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 CO2-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)	0	0	0%
GreenPower	0	0	0%
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)	0	0	0%
Residual Electricity	3,088	0	0%
Total renewable electricity (grid + non grid)		0	0%
Total grid electricity	3,088	0	100%
Total electricity (grid + non grid)	3,088	0	100%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	3,088	2,949	
Scope 2	2,727	2,604	
Scope 3 (includes T&D emissions from consumption under operational control)	361	345	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	0.00%
Mandatory	0.00%
Voluntary	0.00%
Behind the meter	0.00%
Residual scope 2 emissions (t CO2-e)	2.60
Residual scope 3 emissions (t CO2-e)	0.00
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
<i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i>	

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 (kg CO ₂ -e)	Scope 3 Emissions (kg CO ₂ -e)	(kWh)	Scope 3 Emissions (kg CO ₂ -e)
ACT	0	0	0	0	0	0
NSW	0	0	0	0	0	0
SA	3,088	3,088	772	247	0	0
VIC	0	0	0	0	0	0
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	0	0	0	0	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	3,088	3,088	772	247	0	0
ACT	0	0	0	0		
NSW	0	0	0	0		
SA	0	0	0	0		
VIC	0	0	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	0	0	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	0	0	0	0		
Total electricity (grid + non grid)	3,088					

Residual scope 2 emissions (t CO ₂ -e)	0.77
Residual scope 3 emissions (t CO ₂ -e)	0.25
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 CO₂-e)	0.00

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)
Stone and Chalk Carbon Neutral Assessment CY2022	3,088	0
<i>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.</i>		

Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO ₂ -e)
NA	0	0
<p><i>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.</i></p>		

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
NA	NA

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
NA	NA	NA	NA	NA	NA	<p>Size: NA</p> <p>Influence: NA</p> <p>Risk: NA</p> <p>Stakeholders: NA</p> <p>Outsourcing: NA</p>



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