PUBLIC DISCLOSURE STATEMENT

LICHT ARCHITECTURE

SMALL ORGANISATION CERTIFICATION
FY2021–22

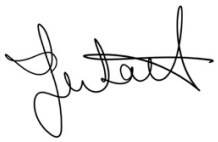
Australian Government

Climate Active
Public Disclosure Statement

LICHT. ARCHITECTURE

An Australian Government Initiative

Climate Active

NAME OF CERTIFIED ENTITY	LICHT ARCHITECTURE PTY LTD
REPORTING PERIOD	1 July 2021 – 30 June 2022 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.* 
	Jason Licht Director 29/02/2024

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

Version March 2023.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	20 tCO_2-e
OFFSETS USED	100% VERs
RENEWABLE ELECTRICITY	Total renewables 18.8% using the market-based method
CARBON ACCOUNT	Prepared by: Sustainable Living Tasmania
TECHNICAL ASSESSMENT	NA
THIRD PARTY VALIDATION	Type 1 Date: 13/10/2023 Organisation: Carbon Zero Initiative

Contents

2. CARBON NEUTRAL INFORMATION

Description of certification

This certification is for the business operations of Licht Architecture. It is a small organisation certification.

Organisation description

Licht Architecture is an awarded emerging Architecture firm based in Hobart nipaluna, Tasmania. Our fresh but awarded practice has a strong focus on delivering playful, considered, client-focussed outcomes with a strong emphasis on experience and delight.

We are excited to be currently working on exciting residential, community, hospitality and tourism focussed projects of varying scales. We love holistic design and believe that architecture and interiors are best designed together so we include both as part of our client services.

We are consciously striving for honesty and generosity - in our decision making, with our clients, in our buildings' function, and with our selection of materials.

This carbon neutral certification covers all activities under the operational control of Licht Architecture Pty Ltd (ABN 98 639 802 207), the majority of which are undertaken in the state of Tasmania. All interstate trips are accounted for.

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.

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 Licht'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.

Inside emissions boundary

Quantified

- Accommodation and facilities
- Electricity
- Food
- Horticulture and Agriculture
- ICT services and equipment
- Machinery and vehicles
- Office equipment & supplies
- Professional Services
- Stationary Energy (gaseous fuels)
- Transport (Air)
- Transport (Land and Sea)
- Waste
- Working from home

Non-quantified

- Cleaning and chemicals
- Postage, courier and freight
- Refrigerants
- Water

Optionally included

NA

Outside emission boundary

Excluded

NA

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

This emissions reduction strategy is an outline of the measures Licht Architecture will take to reduce emissions over time. It described the measures planned in future years to reduce emissions, and the timeframes for these measures.

Licht Architecture commits to reduce all emissions under our operational control by 50% by 1 July 2030, from a FY2021-2022 baseline.

Emission category	FY2021-2022 Emissions (t CO2-e)	Reduction measure	2030 Target (t CO2-e)
Transport (Land and Sea)	9.18	Telecommuting (web meetings), Public/Active transport, EV, more efficient car by 2030	4.59
Electricity	4.04	Buy LGCs. Efficiency measures: Timer, switch off Zipboiler, heater control, LED lighting by 2025.	0.00
All other emissions	5.29	Look for Climate Active providers.	5.29
Total emissions	**18.51**		**9.88**

5.EMISSIONS SUMMARY

Emissions summary

The electricity summary is available in 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)
Accommodation and facilities	0.00	0.00	0.04	0.04
Electricity	0.00	3.57	0.47	4.04
Food	0.00	0.00	0.69	0.69
Horticulture and Agriculture	0.00	0.00	0.10	0.10
ICT services and equipment	0.00	0.00	1.86	1.86
Machinery and vehicles	0.00	0.00	0.39	0.39
Office equipment & supplies	0.00	0.00	0.15	0.15
Professional Services	0.00	0.00	1.55	1.55
Stationary Energy (gaseous fuels)	0.00	0.00	0.00	0.00
Transport (Air)	0.00	0.00	0.00	0.00
Transport (Land and Sea)	6.82	0.00	2.36	9.18
Waste	0.00	0.00	0.16	0.16
Working from home	0.00	0.00	0.36	0.36
Total	**6.82**	**3.57**	**8.12**	**18.51**

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**
mandatory 5% uplift for small organisation's	0.93
Total of all uplift factors	0.93
Total emissions footprint to offset *(total emissions from summary table + total of all uplift factors)*	**19.43**

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 19.43 t CO2-e. The total number of eligible offsets used in this report is 20. Of the total eligible offsets used, 0 were previously banked and 20 were newly purchased and retired. 40 are remaining and have been banked for future use.

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 (%)**
Chaiyaphum Wind Farm Power Project by EKI Energy Services Limited	VER	Gold Standard Impact Registry	17/10/2023	GS1-1-TH-GS7550-12-2020-24891-50443-50443	2020		1	0	0	1	1.66%
Chaiyaphum Wind Farm Power Project by EKI Energy Services Limited	VER	Gold Standard Impact Registry	17/10/2023	GS1-1-TH-GS7550-12-2020-24891-50520-50578	2020		59	0	40	19	98.34%
									Total eligible offsets retired and used for this report	20	
									Total eligible offsets retired this report and banked for use in future reports	40	

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Verified Emissions Reductions (VERs)	20	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

NA

APPENDIX A: ADDITIONAL INFORMATION

NA

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 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)	967	0	19%
Residual Electricity	4,233	4,212	0%
Total renewable electricity (grid + non grid)	**967**	**0**	**19%**
Total grid electricity	**5,200**	**4,212**	**19%**
Total electricity (grid + non grid)	**5,200**	**4,212**	**19%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**4,233**	**4,043**	
Scope 2	3,739	3,570	
Scope 3 (includes T&D emissions from consumption under operational control)	495	473	
Residual electricity consumption not under operational control	**0**	**0**	
Scope 3	0	0	

Total renewables (grid and non-grid)	**18.59%**
Mandatory	**18.59%**
Voluntary	**0.00%**
Behind the meter	**0.00%**
Residual scope 2 emissions (t CO2-e)	**3.57**
Residual scope 3 emissions (t CO2-e)	**0.47**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	**3.57**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	**0.47**
Total emissions liability (t CO2-e)	**4.04**

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	
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)**
ACT	0	0	0	0	0	0
NSW	0	0	0	0	0	0
SA	0	0	0	0	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	5,200	5,200	884	52	0	0
Grid electricity (scope 2 and 3)	**5,200**	**5,200**	**884**	**52**	**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)	**5,200**					

Residual scope 2 emissions (t CO_2-e)	**0.88**
Residual scope 3 emissions (t CO^2-e)	**0.05**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.88**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.05**
Total emissions liability	**0.94**

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

This section provides justification for non-quantification in line with the relevant guidance for emission boundaries for Organisation/precinct certification.

Relevant non-quantified emission sources	Justification reason
Cleaning and cleaning products	Immaterial. Only a very small amount used for cleaning of small office, estimated < 0.01 t CO2-e/y.
Postage, courier and freight	Immaterial. Negligible postage, courier and freight used. Estimated < 0.01 tCO2-e/y
Refrigerants	Immaterial. Office includes a small fridge and a small reverse cycle air conditioner, estimated < 0.05 t CO2-e/y
Water	Immaterial. Water usage is not separately metered, but estimated based on occupancy and appliances to be less than 0.02 t CO2-e/y.
	Total emissions non-quantified due to being immaterial estimated < 0.09 tCO2-e/y, which is <0.4% of inventory total.

Data management plan for non-quantified sources

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

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