# PUBLIC DISCLOSURE STATEMENT

LICHT ARCHITECTURE

ORGANISATION CERTIFICATION
FY2023–24

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 2023 – 30 June 2024<br>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.*<br>  <br>Jason Licht<br>Director<br>11/04/2025 |

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



Version 9.

# 1.CERTIFICATION SUMMARY

| | |
|---|---|
| TOTAL EMISSIONS OFFSET | 18 $tCO_2$-e |
| CARBON OFFSETS USED | 100% VERs |
| RENEWABLE ELECTRICITY | 18.72% |
| CARBON ACCOUNT | Prepared by: Sustainable Living Tasmania |
| TECHNICAL ASSESSMENT | N/A (Small organisation) |

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# 2. CERTIFICATION INFORMATION

## Description of organisation certification

This organisation certification is for the business operations of Licht Architecture Pty Ltd, ABN 98 639 802 207.

Please note the services provided under Licht Architecture are not included under the certification.

This certification includes all activities under the operational control of Licht Architecture, all of which occur in Australia.

This Public Disclosure Statement includes information for FY2023-24 reporting period.

## 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.

# 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**

- Accommodation
- Carbon neutral products and services
- Electricity
- Food
- Horticulture and Agriculture
- ICT services and equipment
- Machinery and vehicles
- Office equipment and supplies
- Professional services
- Stationary energy and 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

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** |

## Emissions reduction actions

In FY2023-24:

- Controls were implemented to ensure air conditioners were off during weekends and after hours.
- All downlights are now LED.

# 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: | 2021-22 | 18.51 | 19.43 |
| Year 2: | 2022-23 | 22.27 | 23.38 |
| Year 3: | 2023-24 | 16.67 | 17.50 |

## Significant changes in emissions

| Significant changes in emissions | | | |
|---|---|---|---|
| **Emission source** | **Previous year emissions** (t $CO_2$-e) | **Current year emissions** (t $CO_2$-e) | **Reason for change** |
| Diesel oil post-2004 | 8.69 | 6.49 | Organic change due to specific projects undertaken requiring less travel. We expect travel to increase again next year. |

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

NA

## Emissions summary

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

| | Sum of Scope 1 emissions (tCO2-e) | Sum of Scope 2 emissions (tCO2-e) | Sum of Scope 3 emissions (tCO2-e) | Sum of Total emissions (t CO2-e) |
|---|---|---|---|---|
| Accommodation and facilities | 0.00 | 0.00 | 0.31 | 0.31 |
| 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 | 3.42 | 0.42 | 3.85 |
| Food | 0.00 | 0.00 | 0.76 | 0.76 |
| Horticulture and agriculture | 0.00 | 0.00 | 0.00 | 0.00 |
| ICT services and equipment | 0.00 | 0.00 | 1.96 | 1.96 |
| Machinery and vehicles | 0.00 | 0.00 | 0.07 | 0.07 |
| Office equipment and supplies | 0.00 | 0.00 | 0.21 | 0.21 |
| Postage, courier and freight | 0.00 | 0.00 | 0.00 | 0.00 |
| Professional services | 0.00 | 0.00 | 1.31 | 1.31 |
| 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 |
| Transport (air) | 0.00 | 0.00 | 0.76 | 0.76 |
| Transport (land and sea) | 5.21 | 0.00 | 2.03 | 7.25 |
| Waste | 0.00 | 0.00 | 0.09 | 0.09 |
| Water | 0.00 | 0.00 | 0.00 | 0.00 |
| Working from home | 0.00 | 0.00 | 0.10 | 0.10 |
| **Grand Total** | **5.21** | **3.42** | **8.03** | **16.67** |

## 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 organisations | 0.83 |
| Total of all uplift factors ($tCO_2$-e) | 0.83 |
| **Total emissions ($tCO_2$-e, including uplifts)** | **17.50** |
| **Total emissions footprint to offset ($tCO_2$-e)** *(total emissions from summary table + total of all uplift factors)* | **18** |

# 6. CARBON OFFSETS

## Eligible offsets retirement summary

**Offsets retired for Climate Active certification**

| Type of offset unit | Quantity used for this reporting period | Percentage of total units used |
|---|---|---|
| Verified Emissions Reductions (VERs) | 18 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| Chaiyaphum Wind Farm Power Project | VER | GSR | 18/10/2023 | GS1-1-TH-GS7550-12-2020-24891-50520-50578 | 2020 | 59 | 37 | 4 | 18 | 100% |

# 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 |
|---|---|---|---|
| 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 certified - Precinct/Building (voluntary renewables) | 0 | 0 | 0% |
| Climate Active certified - Precinct/Building (LRET) | 0 | 0 | 0% |
| Climate Active certified - Precinct/Building jurisdictional renewables (LGCs surrendered) | 0 | 0 | 0% |
| Climate Active certified - Electricity products (voluntary renewables) | 0 | 0 | 0% |
| Climate Active certified - Electricity products (LRET) | 0 | 0 | 0% |
| Climate Active certified - 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) | 973 | 0 | 19% |
| Residual electricity | 4,227 | 3,846 | 0% |
| **Total renewable electricity (grid + non grid)** | **973** | **0** | **19%** |
| **Total grid electricity** | **5,200** | **3,846** | **19%** |
| **Total electricity (grid + non grid)** | **5,200** | **3,846** | **19%** |
| Percentage of residual electricity consumption under operational control | 100% | | |
| **Residual electricity consumption under operational control** | **4,227** | **3,846** | |
| Scope 2 | 3,762 | 3,424 | |
| Scope 3 (includes T&D emissions from consumption under operational control) | 464 | 423 | |
| **Residual electricity consumption not under operational control** | **0** | **0** | |
| Scope 3 | 0 | 0 | |

| | |
|---|---|
| **Total renewables (grid and non-grid)** | **18.72%** |
| **Mandatory** | **18.72%** |
| **Voluntary** | **0.00%** |
| **Behind the meter** | **0.00%** |
| **Residual scope 2 emissions (t $CO_2$-e)** | **3.42** |
| **Residual scope 3 emissions (t $CO_2$-e)** | **0.42** |
| **Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t $CO_2$-e)** | **3.42** |
| **Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t $CO_2$-e)** | **0.42** |
| **Total emissions liability (t $CO_2$-e)** | **3.85** |

*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 (kg $CO_2$-e)** | **Scope 3 Emissions (kg $CO_2$-e)** | **(kWh)** | **Scope 3 Emissions (kg $CO_2$-e)** |
| TAS | 5,200 | 5,200 | 624 | 52 | 0 | 0 |
| **Grid electricity (scope 2 and 3)** | **5,200** | **5,200** | **624** | **52** | **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)** | **0.62** |
| **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)** | **0.62** |
| **Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t $CO_2$-e)** | **0.05** |
| **Total emissions liability (t $CO_2$-e)** | **0.68** |

# 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 |
|---|---|
| Cleaning and chemicals | 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. |

## 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

N/A.

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