

# PUBLIC DISCLOSURE STATEMENT

SYDNEY ENVIRONMENTAL GROUP PTY LTD

ORGANISATION CERTIFICATION CY2022

# Climate Active Public Disclosure Statement







| NAME OF CERTIFIED ENTITY | Sydney Environmental Group Pty Ltd  |
|--------------------------|---|
| REPORTING PERIOD         | Calendar year 1 January 2022 – 31 December 2022   |
| 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.  Steven Wallace |
|                          | Name of signatory: Steven Wallace<br>Position of signatory: Managing Director<br>Date: 31/07/2023   |



Public Disclosure Statement documents are prepared by the submitting organisation. The material in the Public Disclosure Statement document represents the views of the organisation and do not necessarily reflect the views of the Commonwealth. The Commonwealth does not guarantee the accuracy of the contents of the Public Disclosure Statement document and disclaims liability for any loss arising from the use of the document for any purpose.

Version March 2023.



## 1.CERTIFICATION SUMMARY

| TOTAL EMISSIONS OFFSET | 109 tCO <sub>2</sub> -e  |
|------------------------|--|
| OFFSETS USED           | 100% VCUs  |
| RENEWABLE ELECTRICITY  | 0,05% total renewables.  |
| CARBON ACCOUNT         | Prepared by: Sydney Environmental Group (Environmental & Business Consultants) |
| TECHNICAL ASSESSMENT   | N/A for small organization and ongoing certification                           |

### Contents

| 1.    | Certification summary                     | 3    |
|-------|---|------|
|       | Carbon neutral information                |      |
| 3.    | Emissions boundary                        | 5    |
|       | Emissions reductions                      |      |
| 5.    | Emissions summary                         | 9    |
|       | Carbon offsets                            |      |
| 7. Re | enewable Energy Certificate (REC) Summary | . 15 |
| Appe  | endix A: Additional Information           | . 16 |
| Appe  | endix B: Electricity summary              | . 17 |
| Appe  | endix C: Inside emissions boundary        | . 19 |
|       | endix D: Outside emissions houndary       |      |



## 2.CARBON NEUTRAL INFORMATION

## **Description of certification**

Sydney Environmental Group Pty Ltd, ABN 14 631 026 214) is certified carbon neutral for its Australian business operations under the Climate Active Standard for Organisations. Calendar year 2020 acted as our base year and the certification is now renewed for the calendar year 2022, from 1 January 2022 to 31 December 2022.

### Organisation description

Sydney Environment Group Pty Ltd (ABN: 14 631 026 214) is an environmental consulting firm, whose core business is the assessment, remediation and management of contaminated land. With a team of 17 full time employees, we have successfully formulated client-focused strategies for residential development sites, large scale infrastructure projects and complex commercial / industrial sites with multifaceted contamination issues, managing the process from pre-development phase through to delivery phase. Our technical knowledge of local, state and national legislation combined with our experience throughout Australia, allows us to take an innovative approach to solving our clients' contamination issues.

This inventory covers the Australian business operations of Sydney Environmental Group Pty Ltd.

The operational boundary has been defined based on an operational control test, in accordance with the principles of the National Greenhouse and Energy Reporting Act 2007. This includes the following location and facility:

Unit 63/45 Huntley St, Alexandria NSW 2015



## 3.EMISSIONS BOUNDARY

Sydney Environmental Group Pty Ltd is a small organisation and as such, the relevant certification uses the standard Climate Active small organisation emissions boundary, and retains the same emissions boundary as in the first year of certification. Some emissions sources did not occur during CY2022 and have been quantified as zero emission in the carbon inventory.

Throughout this report, "SEG" will denote Sydney Environmental Group Pty Ltd.

### 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 operation 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 details are available at D.



#### **Outside emission** Inside emissions boundary boundary **Excluded Quantified** Non-quantified\*\* Laboratory Services\* Accommodation Water (domestic) Postage, courier, and Food whilst at clients' Air travel relating to freight sites (e.g. lunch & learn onsite work regionally Refrigerants sessions). and inter-state Carbon neutral paper Cleaning and chemicals Electricity (carbon neutral) Food and Catering Fuel **ICT Services &** Equipment Office equipment and supplies **Professional Services** (Entertainment, Taxi, Tolls, Car hire) Products (Staff Clothing & Footwear) Transport (air) Transport (land and sea) Optionally included Waste - Landfill & Recycling Working from home



<sup>\*</sup> Laboratory Services have been excluded as they don't meet the relevance test. Refer to Appendix D for more details.

<sup>\*\*</sup> There are no non-quantified sources in the emission boundary that require a data management plan.

## 4. EMISSIONS REDUCTIONS

## **Emissions reduction strategy**

SEG's goal is to continuously work toward reducing its impact on the environment, and prevent its degradation by taking small actions day by day which can lead to a more sustainable future.

As an Environmental Consulting business, the natural environment and its ecosystems, are at the center of everything that we do.

We are committed to reducing and offsetting our carbon footprint yearly within our operation by setting clear goals and actions in the short term (next 1-2 years) and medium term (3-5 years).

#### 2023 and 2024

- Prioritizing digital documentation and working towards a paperless organisation. The implementation of a new app built in house is currently in progress and it is aimed to remove all paper by 2024. We have reduced our paper consumption by 75% since our 2021 base year.
- Reducing the consumption of natural resources in daily operations including water, paper, energy.
  - 1. Procuring carbon neutral electricity;
  - Encouraging staff to minimise energy and water consumption through sustainable behaviours whenever possible (this include turning lights and equipment off when not in use, turning lights off when daylight levels are sufficient).
- Reducing emissions associated with transport use including flights, business travels and staff commute.
  - 1. Reducing the need of air travel and when necessary offsetting flight emissions.
  - 2. Exploring new ways to reduce emissions using technology such as video conferencing, both internally and with clients.
  - Encouraging staff to commute by cycling and walking more, and continuing to promote flexible
    working arrangements to support the team to work from home whenever possible in order to
    reduce commute-based emissions.
  - 4. Introducing new lower emissions vehicles including hybrids and electric vehicles. SEG currently has 3 hybrid vehicles and a new one is due to be purchased in September 2023.
- · Actively monitoring waste generation and disposal.
  - Improving waste management, including waste separation and ongoing reporting to reduce waste to landfill.
  - 2. Reducing usage of disposable coffee cups and food packaging (napkins, bamboo or plastic cutlery) by using cutlery and crockery available in the office.
- Increasing climate change awareness within the team and communicating internally and externally the company's' commitment to net zero to employees, contractors and stakeholders, by putting our commitment publicly available and reporting year on the company's environmental performate
   Sydney Environmental Group Pty Ltd

- 1. Reviewing the carbon neutral policy and measuring targets and goals yearly;
- 2. Identifying suppliers who meet high standards of environmental services.

#### 2024 onwards

- Aiming to replace our existing fleet with hybrid and electric vehicles by 2028 (replacing five existing vehicles). As technology advances, aiming to move towards fully electric vehicles within the next 5-10 years whilst ensuring the electricity we use to charge the vehicles comes from renewable energy sources.
- Aiming to purchase more products and services that are certified Climate Active Carbon Neutral.
- Maintaining a certified ISO140001 Environmental Management Systems which requires continual improvement to reduce environmental impacts and emissions over time.
- Relocating to a new office space to accommodate a higher number of staff, which will provide better
  access to daylight. We are committed to re-using existing furniture and equipment (including
  secondhand furniture) and certified sustainable products.

By implementing these measures and more, Sydney Environmental Group is estimating to reduce its future emissions across its operations by 30% by 2028.

#### **Emissions reduction actions**

#### Actions implemented in 2022

- Ongoing ISO14001 accreditation and regularly updating our environmental policies and practices as the business transitions its operations to be more sustainable. The next ISO review is scheduled for August 2023.
- Current assessment of SEG's emissions in CY2022 identifies transport as the primary emissions source, a
  category that offers great potential for reduction in the near term. Since the base year, a new Vehicle policy
  has been introduced which will require staff to use our fleet hybrid electric vehicles when travelling during
  business hours.
- Energy and water consumption have been minimized through sustainable behaviours, such as turning off lights and equipment when not in use.
- Purchased new products and services that are certified Climate Active Carbon Neutral (i.e. paper supplies).



## **5.EMISSIONS SUMMARY**

#### **Emissions over time**

Sydney Environmental Group is a small organisation founded in 2019.

Since then, we have faced significant business growth, particularly in 2022 when our staff tripled in numbers, and new interstate projects being awarded which have required our team members to travel to clients' sites on a regular basis. As a result, we have experienced a significant increase of the overall  $CO_2$  emissions compared to 2020 base year.

|            |      | Emissions since base year                  |   |
|------------|------|--|---|
|            |      | Total tCO <sub>2</sub> -e (without uplift) | Total tCO <sub>2</sub> -e (with uplift) |
| Base year: | 2020 | 10,37                                      | 10,89                                   |
| Year 1:    | 2021 | 16,69                                      | 17,52                                   |
| Year 2:    | 2022 | 100,97                                     | 108,04                                  |

## Significant changes in emissions

Following the first reporting period in 2020, SEG has grown organically by doubling the number of full-time employees from 2020 to 2021, and tripling from 2021 to 2022, SEG has also increased the number of clients, projects and services provided. Particularly in 2022, SEG has been awarded as one of the contractors for the Northern New South Wales and Victoria flood work disaster recovery program. As a result, most of our team members have been required to travel to Northern NSW (Lismore and Byron Bay) and VIC (Melbourne and regional Victoria) on a regular basis.

In addition to this, compared to the first reporting period in 2020 when SEG was operating entirely offsite with employees working from home, as of 2021 and 2022, staff have been returning to the office and travelling to clients' sites.

Due to business growth, increased travel and a higher number of staff, there are some significant changes in emissions that have been listed in more detail below.



| Emission source name   | Previous year<br>emissions<br>(t CO <sub>2</sub> -e) | Current year<br>emissions<br>(t CO <sub>2</sub> -e) | Detailed reason for change   |
|--|--|---|--|
| Food & Catering  | 0,78   | 1,16  | Significant increase due to business growth and new hires. For context, the company is small; so every change can have a large effect.   |
| Accommodation  | 0,08   | 6,12  | Significant increase due to introduction of two new major projects (Northern NSW and VIC flood works) and team members travelling interstate to he affected areas.             |
| ICT services and equipment   | 2,33   | 1,97  | Increase due to new staff being hired.   |
| Products   | 0,16   | 0,48  | Significant increase due to new staff being hired. Clothing and footwear, including mandatory PPE, which are required to carry out the work.                                   |
| Professional Services<br>(Entertainment, Taxi,<br>Hired Cars, Tolls) | N/A  | 29,12   | New emission source due to increase of number of staff (tripled since the previous reporting period) and larger team building social events including End of Year /EOFY party. |
| Transport (Air)  | 0,68   | 21,54   | Significant increase due to introduction of two new major projects (Northern NSW and VIC flood works) and team members travelling interstate to the affected areas.            |
| Transport (Land and Sea)   | 9,62   | 26,27   | Increase due to business growth, new hires, and therefore new vehicles have been purchased in order for staff to carry out their work.   |
| Waste  | 1,85   | 5,24  | Increase due to organic growth and higher number of staff.   |



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

| Certified brand name  | Product/Service/Building/Precinct used                 |
|-----------------------|--|
| Opal Australian Paper | Carbon neutral A4 Reflex paper was purchased in CY2022 |
| Energy Australia      | Electricity  |

## **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<br>1 (t CO2-e) | Sum of Scope<br>2 (t CO2-e) | Sum of Scope<br>3 (t CO2-e) | Sum of Total<br>Emissions<br>(t CO2-e) |
|---|-----------------------------|-----------------------------|-----------------------------|--|
| Accommodation and facilities                              | 0,00                        | 0,00                        | 6,12                        | 6,12                                   |
| Bespoke   | 0,00                        | 0,00                        | 0,00                        | 0,00                                   |
| Cleaning and Chemicals Climate Active Carbon Neutral      | 0,00                        | 0,00                        | 0,01                        | 0,01                                   |
| Products and Services Construction Materials and Services | 0,00                        | 0,00                        | 0,00                        | 0,00                                   |
| Electricity   | 0,00                        | 6,83                        | 0,90                        | 7,73                                   |
| Food  | 0,00                        | 0,00                        | 1,16                        | 1,16                                   |
| Horticulture and Agriculture                              | 0,00                        | 0,00                        | 0,00                        | 0,00                                   |
| ICT services and equipment                                | 0,00                        | 0,00                        | 2,33                        | 2,33                                   |
| Machinery and vehicles                                    | 0,00                        | 0,00                        | 0,00                        | 0,00                                   |
| Office equipment & supplies                               | 0,00                        | 0,00                        | 0,04                        | 0,00                                   |
| Postage, courier and freight                              | 0,00                        | 0,00                        | 0,04                        | 0,04                                   |
| Products  | 0,00                        | 0,00                        | 0,48                        | 0,48                                   |
| Professional Services                                     | 0,00                        | 0,00                        | 29,12                       | 29,12                                  |
| Refrigerants  | 0,00                        | 0,00                        | 0,00                        | 0,00                                   |
| Roads and landscape                                       | 0,00                        | 0,00                        | 0,00                        | 0,00                                   |
| Stationary Energy (gaseous                                | 0,00                        | 0,00                        | 0,00                        | 0,00                                   |
| 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                        | 21,54                       | 21,54                                  |
| Transport (Land and Sea)                                  | 0,00                        | 0,00                        | 26,27                       | 26,27                                  |
| Waste   | 0,00                        | 0,00                        | 5,24                        | 5,24                                   |
| Water   | 0,00                        | 0,00                        | 0,00                        | 0,00                                   |
| Working from home   | 0,00                        | 0,00                        | 0,93                        | 0,93                                   |
| Total   | 0,00                        | 6,83                        | 94,14                       | 100,97                                 |



## **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. As we are certified as a small organisation, the standard 5% uplift has been applied to the emissions total, in addition to a 2% uplift applied to our account for non-quantified sources where data collection is not cost effective.

| Reason for uplift factor  | tCO <sub>2</sub> -e |
|---|---------------------|
| Mandatory 5% uplift for small organisations   | 5.048               |
| Uplift to account for non-quantified sources where data collection is not cost effective                  | 2.019               |
| Total of all uplift factors   | 7.068               |
| Total emissions footprint to offset<br>(total emissions from summary table + total of all uplift factors) | 108.04              |



## **6.CARBON OFFSETS**

### Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is **109** t CO<sub>2</sub>-e. The total number of eligible offsets used in this report is 109. Of the total eligible offsets used, 2 were previously banked and 108 were newly purchased and retired. 1 are remaining and have been banked for future use.

#### Co-benefits

#### Madre de Dios Project - Amazon Rainforest Peru

Deforestation attributes to about 20% of global warming, reducing the Earth's capacity to absorb carbon dioxide. The activities implemented by the developer of this project will benefit the climate, community and biodiversity.

The Madre de Dios Amazon REDD Project consists of 100.000 hectares of rainforest, located in the Peruvian Amazon, only 400 km from the historic sanctuary of Machu Picchu, the "Lost City of the Incas". The area is located less than 30 km to the side of the new inter-oceanic road that has recently united Brazil with Peru. The project is within the region that belongs to the Ecological Corridor Vilcabamba-Amboró, one of the world's greatest biodiversity hotspots. This charismatic boutique project will dramatically reduce deforestation in the Peruvian Amazon and protect the habitat of 35 endangered species and the livelihood of local indigenous communities such as the Yine, Huitoto, Mashco Piro, Yora and Amahuaca tribes who rely on the forest for their survival.

Members of the nearby communities will have the opportunity to attend workshops offered in security as well as technical training on sustainable agriculture and forest management.

Saving the forests of the Amazon is truly the right move to make.

### Chakala Wind Power Project - India

This wind power project is located in Maharashtra State in the west of India, one of the most populated regions of the country.

Energy generated is sold to the state grid, replacing the need for diesel fuelled generators that are used to meet demands in power shortages. A significant amount of greenhouse gas emissions are avoided through the use of renewable sources of energy.

The project provides economic and social benefits for the community with improved business, contribution to infrastructure and the creation of employment opportunities.



## Eligible offsets retirement summary

| Offsets retired for Clin  | nate Activ           | e Carbon | Neutral Cert    | tification   |         |                  |  |   |   |  |                         |
|---|----------------------|----------|-----------------|--|---------|------------------|--|---|---|--|-------------------------|
| Project description   | Type of offset units | Registry | Date<br>retired | Serial number (and hyperlink to registry transaction record)                   | Vintage | Stapled quantity | Eligible<br>quantity<br>retired<br>(tCO <sub>2</sub> -e) | Eligible<br>quantity used<br>for previous<br>reporting<br>periods | Eligible<br>quantity<br>banked for<br>future reporting<br>periods | Eligible<br>quantity used<br>for this<br>reporting<br>period | Percentage of total (%) |
| Madre de Dios Project -<br>Amazon Rainforest Peru                               | VCU                  | Verra    | 6/07/2022       | 6151-282302312-<br>282302331-VCU-006-MER-<br>PE-14-844-01012015-<br>31122015-0 | 2015    | N/A              | 20   | 18  | 0   | 2  | 1,85%                   |
| Madre de Dios Project -<br>Amazon Rainforest Peru                               | VCU                  | Verra    | 1/08/2023       | 6151-282302446-<br>282302505-VCU-006-MER-<br>PE-14-844-01012015-<br>31122015-0 | 2015    | N/A              | 60   | 0   | 1   | 59   | 54,.12%                 |
| Chakala Wind Power<br>Project – India   | VCU                  | Verra    | 1/08/2023       | 6870-353274780-<br>353274827-VCU-034-APX-<br>IN-1-1197-01012018-<br>31052018-0 | 2018    | N/A              | 48   | 0   | 0   | 48   | 44.03%                  |
| Total eligible offsets retired and used for this report                         |                      |          |                 |  |         |                  | 109  |   |   |  |                         |
| Total eligible offsets retired this report and banked for use in future reports |                      |          |                 |  |         |                  |  |   |   |  |                         |

| Type of offset units         | Eligible quantity (used for this reporting period) | Percentage of total |
|------------------------------|--|---------------------|
| Verified Carbon Units (VCUs) | 109  | 99.9%               |



## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A



## APPENDIX A: ADDITIONAL INFORMATION

Proof of offset units transaction and cancellation of offset.



This is to certify that

Sydney Environmental Group

has permanently surrendered

#### 108 tonnes of CO<sub>2</sub>e emissions

by investing in carbon offsets.

Thank you for choosing to make a difference to our planet and future generations by combating climate change.



Encouraging positive social, environmental and economic change with solutions that help overcome the effects of the climate crisis.

Carbon Neutral Pty Ltd is regulated by the Australian Securities and Investments Commission and holds Malibon,

Ray Wilson | Chief Executive Office

Issue Date: 31 July 2023

Carbon Neutral Pty Ltd will retire the above emission allowances from the pool of offsetting credits at the



## 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   | Activity Data (kWh) | Emissions  | Renewable Percentage |
|---|---------------------|------------|----------------------|
|   |                     | (kg CO2-e) | of total             |
|   |                     |            |                      |
| Behind the meter consumption of electricity                                 | 0                   | 0          | 0%                   |
| generated Total non-grid electricity  | 0<br><b>0</b>       | <b>0</b>   | 0%<br><b>0%</b>      |
| LGC Purchased and retired (kWh) (including                                  |                     | U          | U%                   |
| 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                                 | 0                   | 0          | 0 /0                 |
| (LGCs surrendered)  | 0                   | 0          | 0%                   |
| Electricity products (voluntary renewables)                                 | 0                   | 0          | 0%                   |
| Electricity products (LRET) Electricity products jurisdictional renewables  | 0                   | 0          | 0%                   |
| (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)      | 1.854               | 0          | 0%                   |
| Residual Electricity  | 3.842.095           | 3.669.200  | 0%                   |
| Total renewable electricity (grid + non                                     | 1.854               |            | 00/                  |
| grid) Total grid electricity  | 3.843.949           | 3.669.200  | 0%<br>0%             |
| Total electricity (grid + non grid)   | 3.843.949           | 3.669.200  | 0%                   |
| Percentage of residual electricity  |                     | 3.009.200  | U70                  |
| consumption under operational control                                       | 100%                |            |                      |
| Residual electricity consumption under operational control                  | 3.842.095           | 3.669.200  |                      |
| Scope 2   | 3.393.019           | 3.240.333  |                      |
| Scope 3 (includes T&D emissions from consumption under operational control) | 449.076             | 428.868    |                      |
| Residual electricity consumption not  | 443.070             | 420.000    |                      |
| under operational control   | 0                   | 0          |                      |
| Scope 3   | 0                   | 0          |                      |

| Total renewables (grid and non-grid)   | 0,05%             |
|--|-------------------|
| Mandatory  | 0,05%             |
| Voluntary  | 0,00%             |
| Behind the meter  Residual scope 2 emissions (t CO2-e)   | 0,00%<br>3.240,33 |
| Residual scope 3 emissions (t CO2-e)   | 428,87            |
| Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e) | 6,83              |
| Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e) | 0,90              |
| Total emissions liability (t CO2-e)  | 7,73              |
| Figures may not sum due to rounding. Renewable percentage can be above 100%                    |                   |



| Location-based appro   | Activity Data<br>(kWh) total | tivity Data Under operational control |  |  | Not under operational control |  |  |
|--|------------------------------|---------------------------------------|--|--|-------------------------------|--|--|
| Percentage of grid electricity consumption under operational control | 100%                         | (kWh)                                 | Scope 2<br>Emissions<br>(kgCO <sub>2</sub> -e) | Scope 3<br>Emissions<br>(kgCO <sub>2</sub> -e) | (kWh)                         | Scope 3<br>Emissions<br>(kgCO <sub>2</sub> -e) |  |
| ACT  | 0                            | 0                                     | 0  | 0  | 0                             | 0  |  |
| NSW  | 3.843.949                    | 3.843.949                             | 2.806.083                                      | 230.637  | 0 0 0                         | 0<br>0<br>0                                    |  |
| SA   | 0                            | 0                                     | 0  | 0  |                               |  |  |
| VIC  | 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)                                     | 3.843.949                    | 3.843.949                             | 2.806.083                                      | 230.637  | 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)                                  | 3.843.949                    |                                       |  |  |                               |  |  |

| Residual scope 2 emissions (t CO <sub>2</sub> -e)   | 2.806,08 |
|---|----------|
| Residual scope 3 emissions (t CO²-e)  | 230,64   |
| Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e) | 7,26     |
| Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e) | 0,60     |
| Total emissions liability   | 7,86     |

Climate Active carbon neutral electricity products

| Climate Active carbon neutral product used | Electricity claimed from<br>Climate Active electricity<br>products (kWh) | Emissions<br>(kg CO <sub>2</sub> -e) |
|--|--|--------------------------------------|
| Energy Australia                           | 3.834.000  | 0                                    |
| N/a  | 0  | 0                                    |
| N/a  | 0  | 0                                    |
| N/a  | 0  | 0                                    |

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 <u>one</u> of the following reasons:

- 1. <u>Immaterial</u> <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. <u>Data unavailable</u> 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.

Note: A 2% uplift has been applied to the total emissions to account for non-quantified sources where data collection is not cost effective.

| Relevant non-quantified emission sources | Justification reason |  |  |
|--|----------------------|--|--|
| Refrigerant                              | Immaterial           |  |  |
| Postage, courier and freight             | Cost effective       |  |  |
| Water                                    | Cost effective       |  |  |

## Data management plan for non-quantified sources

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

The data management plan below outlines how more rigorous quantification can be achieved for material (greater than 1%) non-quantified emission sources.



## 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. <u>Size</u> The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions.
- 2. <u>Influence</u> The responsible entity has the potential to influence the reduction of emissions from a particular source.
- 3. <u>Risk</u> 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.
- 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   |
|--|------|-----------|------|--------------|-------------|---|
| Laboratory Services  | Υ    | N         | N    | N            | N           | The emissions source is likely to be >1%, considering the laboratory use of electricity, equipment and fuel emissions. However, we are unable to quantify it.  We do not have the potential to influence the emissions from this source. Laboratory services are an essential part for our business to exist and operate.  We have not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary. |
| Food whilst at clients' sites (e.g. lunch & learn sessions). | N    | N         | N    | N            | N           | The emissions source is likely to be very minimal, <1%. Sydney Environmental Group has no control over the carbon emissions relating to the food at client's sites (e.g. lunch & learn sessions), and these items are paid for by the clients.  |

Emission Laboratory Services and Food at clients' sites have been excluded from the carbon offset as they have been assessed as not relevant according to the relevance test.





