

# Carbon Neutral Program

## Annual Public Disclosure Summary Financial Year 2018/2019

### Department of the Environment and Energy

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**Name of certified entity:** Cundall Johnston & Partners Pty Ltd (trading as Cundall)

**Reporting period:** Financial year 2018/2019

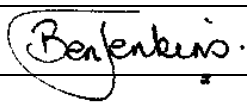
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#### Declaration

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To the best of my knowledge, the information provided in this Public Disclosure Summary is true and correct and meets the requirements of the National Carbon Offset Standard Carbon Neutral Program.

|  |                          |
|--|--------------------------|
| Signature<br> | Date<br>20 November 2019 |
| Name of Signatory<br>Madlen Jannaschk  |                          |
| Position of Signatory<br>ESD Consultant  |                          |

|   |  |
|---|--|
| Carbon neutral certification category           | Organisation   |
| Date of most recent external verification/audit | 20 July 2019   |
| Auditor   | Benjamin Jenkins  |
| Auditor assurance statement link                |  |

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## 1.0 Introduction



### 1.1 Overview

Established in the UK 40 years ago, Cundall has developed into an international multi-disciplinary consultancy operating from 21 locations across the globe. Cundall has five offices in Australia: Adelaide, Brisbane, Melbourne, Perth and Sydney with approximately 60 staff in 2017.

Over the years, we have delivered many exemplary green buildings and built up an international sustainable design expertise. We are the world's first consultancy to be formally endorsed as a One Planet Company by sustainability charity BioRegional.

For clients across a wide range of sectors Cundall delivers:

- **Building Services** – mechanical, electrical, hydraulics, fire, acoustics, vertical transportation, ICT, AV and security.
- **Sustainable Solutions** – strategy, planning, design, certification, compliance, modelling, building physics and governance.

This report states our carbon inventory as part of the Carbon Neutral Program of the Australian Government's

Department of the Environment and Energy. The Carbon Neutral certification is awarded against the National Carbon Offset Standard (NCOS) which provides the framework this inventory is based on.

### 1.2 Our approach to sustainability

As a consultancy, our vision is to be agents of change for a sustainable world and construction industry thought leaders.

Our mission is to create fantastic built environments and positively impact our communities providing great opportunities for our people. We see every project as an opportunity to make a positive difference and we will act to help achieve a world in which people enjoy healthy and equitable lives with their fair share of the earth's resources, leaving space for wildlife and wilderness. All staff are actively engaged in achieving our environmental and social goals. We participate in industry groups, share our knowledge freely through blogs, talks and publications, and invest in R&D to develop new approaches and technologies.

Our sustainability policy, which is signed by all our partners, establishes clear objectives to maintain our

position as a leader in sustainability in the built environment across four cornerstones: Our projects, industry leadership, our homes and communities and our workplace.

Our Sustainability Roadmap One Planet, One Chance identifies how we can have a maximum impact using the One Planet Living Principles and the UN Sustainable Development Goal frameworks. It sets out clear targets and action plans under six key impact areas. To track the progress against the roadmap's objectives, a set of key performance indicators was developed we report against on an annual basis. One of the major KPI's is to become

carbon neutral by 2020 and be a carbon positive business by 2025 as a global business (also refer to Section 3.1).

Cundall is the world's first consultancy to be formally endorsed as a One Planet Company by BioRegional with annual reporting and auditing against our action plan. We also report our social justice performance transparently through the JUST label and are implementing our Reconciliation Action Plan with support from Reconciliation Australia.

Cundall is also one of the first signatories to the Net Zero Carbon Buildings Commitment of the World Green Building Council.



## 2.0 Boundaries and standards



### 2.1 Organisational boundary

The organisational boundary was established using the operational control approach.

Cundall is a global organisation with over 900 staff internationally. For the purpose of this inventory, our five Australian offices - which hold a common Australian ABN number - were included in the boundary.

Based on an operational consolidation approach, the entities included are:

- Our Adelaide office (approx. 4 staff)
- Our Brisbane office (approx. 2 staff)
- Our Melbourne office (approx. 24 staff)
- Our Perth office (approx. 6 staff)
- Our Sydney office (approx. 27 staff)

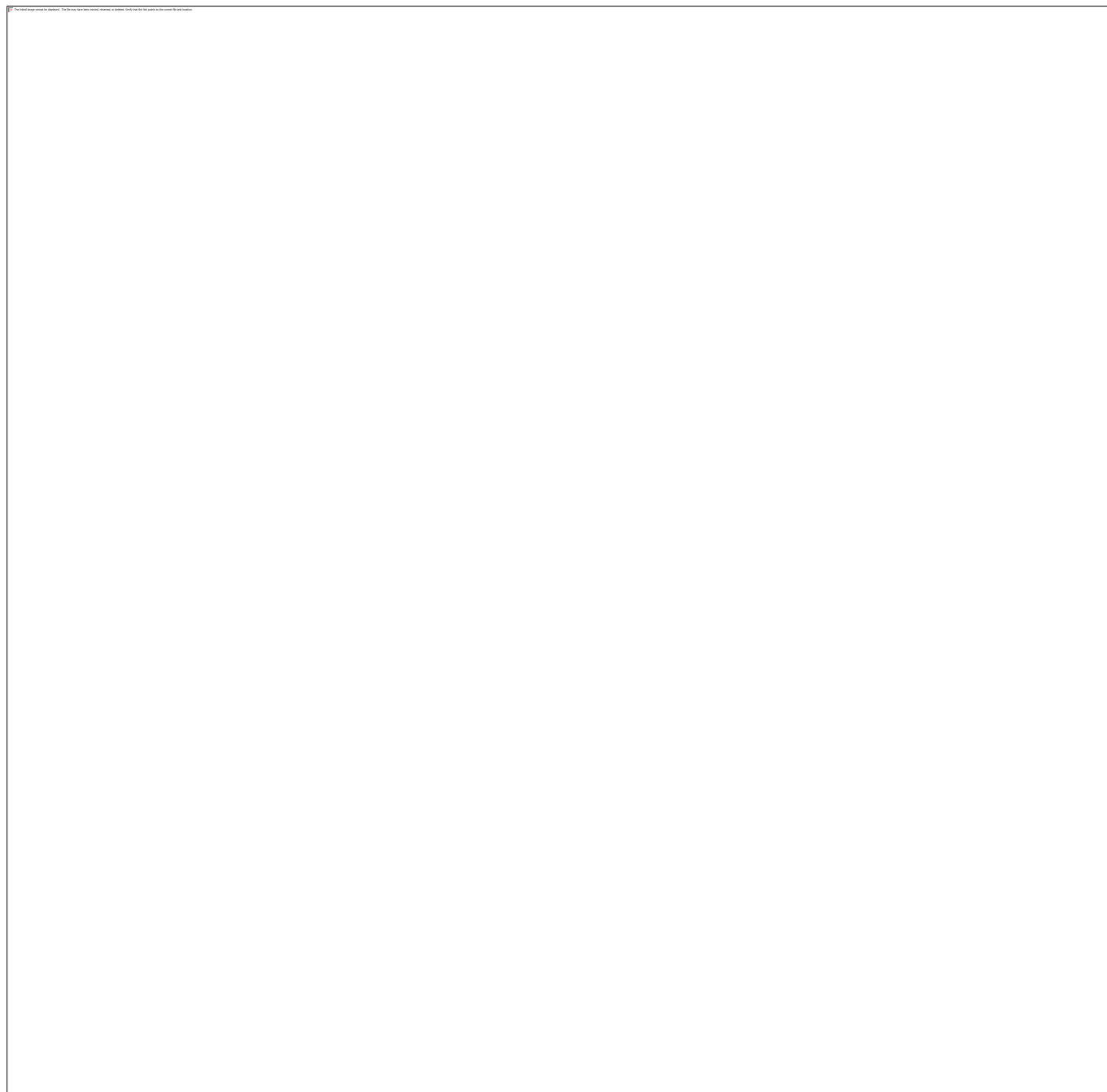
### 2.2 Emissions sources within the organisational boundary

#### 2.2.1 Quantified sources

The following emission sources have been included in this inventory:

- Electricity
- Water
- Waste
- Business travel, including
  - Flights
  - Taxis
- Accommodation
- Staff commute
- Base building services
  - Base building electricity
  - Base building water
  - Base building gas
- Office paper
- Food and catering
- Postage / freight / couriers
- Stationary
- Office printing
- Cleaning services
- IT and telecommunications

The diagram of the certification boundary below illustrates the included emission sources and their scope.



### 2.2.2 Excluded sources

All relevant emission sources were included.

## 3.0 Emissions reduction

### 3.1 Emissions reduction strategy

Cundall's emissions reduction strategy is based on our Sustainability Roadmap One Planet One Chance. A full copy of our roadmap can be accessed online on our [website](#).

The first step to prepare the Roadmap was a comprehensive materiality review in 2017 which involved a number of internal and external stakeholders including people identified as future leaders of the business and Cundall's current leaders, key clients across the globe and industry bodies including the UK Green Building Council, BioRegional and Form for the Future.

This process looked critically at our business, what we have achieved and where we are going, enabling us to understand and update our approach to sustainability.

A key finding of the review was to prioritise our efforts to address the following priority impacts:

1. Climate Positive Action
2. Zero Carbon Energy
3. Materials and Supply Chain
4. Health and Wellbeing
5. Ethics and Equity
6. Climate Change Adaptation

Other impacts (amongst others) include travel and transport, sustainable water, zero waste and sustainable food.

These impacts have effects across our four cornerstones:

- **Projects** - To have every engineer and consultant in our company think about and deliver sustainable designs, using specialists as required, on every project they do.
- **Industry Leadership** - To use our knowledge and resources to help others embrace and deliver more sustainable outcomes.
- **Homes & Communities** - To actively contribute to local and struggling communities and help our staff (and their family and friends) lead more sustainable lives.
- **Workplace** - To be a net positive business, engage and enthuse our staff about environmental and social sustainability and report transparently on our performance.





Based on the materiality review, far reaching, ambitious objectives were developed, underpinned by KPIs to annually track our performance. The key objectives associated with our organisational emissions are:

- Be a carbon positive business addressing our whole carbon footprint
- Reduce energy consumption in line with science-based methodology and all electricity for our offices to be from carbon zero renewable sources
- Responsibly source our office consumables and services

Our global key performance indicators associated with our organisational Greenhouse Gas emissions as defined above are:

Table 1: Cundall Sustainability Roadmap KPIs

|   | KPI   | Baseline    | 2020 Target | 2025 Target |
|---|---|-------------|-------------|-------------|
| <b>Total Annual Carbon Footprint (Scope 1, 2 &amp; 3) prior to purchase of renewable energy and carbon offsets</b>  | tCO <sub>2</sub> e per person / per annum                                 | 3.7         | 2.5         | 1.5         |
| <b>Carbon Positive Business</b>   | % of carbon footprint reduced through renewable energy and carbon offsets | 10%         | 100%        | 115%        |
| <b>Cundall office energy<br/>Direct electricity (Scope 2) GHG emissions</b>   | tCO <sub>2</sub> e  | 430         | 250         | 0           |
| <b>Cundall energy<br/>(Scope 1 and 2 emissions) based on science-based methodology</b>                              | tCO <sub>2</sub> e  | 341         | 320         | 0           |
| <b>Cundall office energy<br/>Total energy (Scope 1, 2 &amp; 3) GHG emissions including natural gas and landlord</b> | tCO <sub>2</sub> e  | 845         | 450         | 0           |
| <b>Cundall office energy -Tenant energy consumption</b>   | kWh per m <sup>2</sup> of NLA<br>kWh per person (FTE)                     | 140<br>1700 | 120<br>1500 | 100<br>1000 |
| <b>Compliance with Cundall Sustainable Procurement Framework for office consumables and services</b>                | % of expenditure  | -           | 80%         | 95%         |
| <b>Reduce CO<sub>2</sub>e due to business travel</b>  | tCO <sub>2</sub> e per person / per annum                                 | 1.8         | 1.6         | 1.4         |
| <b>Reduce CO<sub>2</sub>e due to staff commuting</b>  | tCO <sub>2</sub> e per person / per annum                                 | 1.2         | 1.1         | 1           |
| <b>Zero waste to landfill (including operational waste, IT hardware and office fit-out) for our offices</b>         | % waste diverted from landfill  | 53%         | 75%         | 95%         |
| <b>Offices complying with the Cundall Office Fit-out Guide</b>  | % of new office fit outs  | -           | 80%         | 100%        |
| <b>Reduce amount of meat and fish in food we purchase</b>   | % of vegetarian food purchased  | -           | -           | 60%         |



## 3.2 Emissions reduction actions

In comparison to the last reporting year, we reduced our carbon emissions from 4.8 to 4.3 tons per staff member. This is a reduction of 10%. However, this also means that due to the growth of the company, our overall footprint increased by 5% to 214 tons of CO<sub>2</sub>e compared to the last reporting year.

Our emission reduction actions focus on decoupling this relationship between growth and a higher footprint through developing specific strategies to reduce our total emissions while rolling out carbon neutrality in our business on a global scale.

### 3.2.1 Climate positive action

Cundall is one of 38 founding signatories for Net Zero Carbon Buildings Commitment ('the Commitment'). Led by the World Green Building Council (WorldGBC) this commitment is the start of a leadership movement towards a decarbonised built environment.

As a signatory, Cundall is required to evaluate their current energy use and associated emissions across their portfolios; identify opportunities to reduce energy wastage and improve energy efficiency. In the UK, the UK Green Building Council (UKGBC) has embraced and adopted the Net Zero Carbon Buildings Commitment through its Advancing Net Zero campaign.

The net zero carbon buildings framework proposed by the Advancing Net Zero campaign sets out definitions and principles around two approaches to net zero carbon, being net zero carbon in construction and net zero carbon in operation.

There are five stages of the Commitment:

- Commit – All buildings within direct control of the organisation to operate at net zero carbon by 2030, and all buildings by 2050
- Disclose - Measure, disclose and assess annual asset and portfolio energy demand and carbon emissions
- Action – Develop and implement a decarbonisation roadmap outlining key actions and milestones
- Verification – Demonstrate enhanced energy performance, reduced carbon emissions and progress towards net zero carbon assets and portfolio
- Advocate – Demonstrate leadership to support the wider transition towards net zero carbon buildings

Our Climate Positive Action strategy, by which we will meet our Commitment, is currently under review though we are on schedule to meet our 2020 target of being carbon neutral globally and further reduce emissions in Australia.

### 3.2.2 SusCom and Green Teams

The Global Sustainability Committee (SusCom) is responsible for the development, delivery and tracking of Cundall's Sustainability Strategy. The Chair reports directly to the Management Board, ensuring that sustainability progress and commitment is from the very top of the organisation and integrated into the day to day operation of the business.

SusCom's membership is diverse being made up of senior partners and future leaders across disciplines and regions.

Beneath this committee, our dedicated working groups continue working towards reducing Cundall's carbon emissions. Our project's group is tasked with assisting our clients to be more sustainable by developing the training, tools and knowledge needed to enhance our existing services, as well as develop new services.

Internally, each office has a "Green Team", who leads the development of our internal approach to sustainability by identifying and championing opportunities to reduce the environmental impact of our offices and business operations. The Green Teams meet bi-monthly to discuss initiatives and share best practice. A key focus of the teams, and our main priorities as a business, are Carbon Positive Action and Zero Carbon Energy.

### 3.2.3 Operational energy

#### Zero carbon energy

We are very proud to have received approval from the Science-Based Targets partnership for our greenhouse gas emission reduction targets.

Science Based Targets (SBT) is a joint initiative by CDP, the UN Global Compact, the World Resources Institute and WWF which aims to help businesses pursue bolder solutions to climate change. Cundall is one of only 200 companies to have an approved science-based target which is deemed to be on a 'well below 2 degrees' trajectory.

To have external verification that our targets are in line with climate science is very important for us – as it gives us the confidence that we are really stretching ourselves as far as we should in a global climate crises context.

#### Energy monitoring and auditing

We have been actively monitoring our energy consumption since 2012. Part of this is to conduct energy audits in each of our offices. We have facilitated this through the Cundall Diploma energy efficiency module which part of the task is to review the office energy performance and identify the top 5 ways to make it more efficient – including fabric, plant and equipment as well as behaviour changes. This is then fed to our office SusTeams for consideration and implementation.

#### Zero carbon energy suppliers

We are currently reviewing zero carbon energy suppliers for all our offices. Our Melbourne and Sydney offices, representing 81% of our electricity consumption, have purchased accredited Green Power for a number of years

as both tenancies have separate utility meters and have air conditioning connected to this meter. The landlord's electricity is limited to common area lighting. Our offices in Perth, Adelaide and Brisbane (a work share office) have all electricity and air conditioning supplied by our landlords. We are discussing options for the purchase of renewable electricity in these offices, but as we are relatively small tenants our influence is limited.

#### CitySwitch and NABERS

Our Melbourne and Sydney offices joined CitySwitch in 2008. Adelaide joined in 2009 and Perth in 2014. CitySwitch encourages signatories to reduce their energy consumption over time. To become a City Switch Green Office signatory, organisations are required to commit to:

- Commence a benchmark NABERS Energy tenancy rating.
- Develop and implement an Energy Action Plan to achieve and maintain a 4 Stars or higher accredited NABERS Energy tenancy.
- Appoint an Energy Manager to monitor actual performance.
- Request a NABERS Energy base building rating from the building owner/manager.
- Promote energy efficiency to staff, customers and suppliers and share their experiences with other Signatories.
- Obtain an annual NABERS Energy Rating and provide feedback on their success in a formal Progress Report.

In 2018, our Perth office achieved a 5 Star NABERS rating while our Adelaide office was rated 5.5 Stars with aspirations to increase these ratings in the coming years. Our Melbourne office also planning to obtain a NABERS rating while the Sydney office is currently working through the hurdle of not neatly falling under the two categories – tenancy or whole building.

### 3.2.4 Office Fitouts

Our Office Fit-out Guide, which will be released in 2020, outlines parameters for sustainable design and procurement, efficient building services, as well as lighting and acoustics based on latest research and standards. This does not only lead to an increase in health and wellbeing for our staff but will also help to significantly reduce our greenhouse gas emissions.

Our Adelaide office moved to its new premises in 2017 and has excellent access to public transport, abundant natural daylight, bicycle storage and end of trip facilities. A

particularly unique lighting design has been installed which is highly controllable and provides light exactly where it is needed at less than 3W/m<sup>2</sup>.

Our Perth office moved to new premises in 2017 and reused all office chairs. The demolished timber doors from the existing office were salvaged and upcycled into the new Cundall logos for the new tenancy. The office will also be fitted with new lights in 2019 to help reduce their energy consumption and to increase their NABERS rating.

Our Melbourne and Sydney offices are both located very close to major public transport nodes, and both installed showers during the fitout works as these were not provided by the landlord to encourage cycling and healthy activities. Energy efficient showerheads (<6 l/min) were used to minimise hot water energy consumption.

As a One Planet company, we aspire to achieve third party environmental certification for new office fitouts. This will apply to new Australian office fitouts when they occur in the future. Our first Sydney office fitout obtained the first LEED Platinum rating in Australia in 2008. Our London office fitout became the first WELL Building Standard certified building in Europe in 2016. The Doha office was the first WELL registered office in Qatar in 2018.

### 3.2.5 Sustainable Procurement

Procurement activities at Cundall cover a range of materials and services, from consumables such as lamps and cleaning products to services such as event catering, cleaning services and sub-consultants.

Consumable materials (or 'consumables') are materials that are regularly acquired (excluding utilities such as electricity, gas, and services), for use in the operation and maintenance of the building or fitout. This includes products like cleaning chemicals and bathroom supplies as well as materials for planned maintenance or minor repairs, such as lamps, paints and filters for Heating, Ventilation & Air-Conditioning (HVAC) systems.

To ensure that the negative sustainability impacts of products and services are minimised, we are currently updating our Sustainable Procurement Guideline designed to complement current procurement processes.

The Guideline identifies risks associated with procurement activities and sets internal measurements, reporting and auditing standards.

### IT equipment

We are reviewing the energy efficiency of our IT equipment along with end-of life disposal strategies.

Specific attention is also paid to toxic materials in our equipment and the social and environmental aspects of its production and disposal.

### Catering

All of our offices are encouraged to increase the amount of vegetarian and also local and organic catering as part of our Sustainability Roadmap targets. Our marketing teams will continue to provide vegetarian food at all of our external and internal thought leadership events, helping to spread the message of a plant-based diet and its impact on greenhouse gas emissions to achieve our global target of 60% by 2025.

### Cleaning products

We have increased the purchase of natural cleaning products in our offices from 33% to 53% since 2013 and will further increase this through improving our procurement processes. This includes the purchase of biodegradable, non-hazardous products without micro-beads.

We also set the target to only purchase products containing no Palm Oil, or Palm Oil from a certified Segregated Sustainable Palm Oil (CSPO) source only.

### Operational Waste

Organic waste is, after paper, the largest proportion of the waste produced in our offices. We have a worm farm in Sydney (located on our terrace) and composting bins in Perth to reduce this waste going to landfill. We are investigating ways to increase the diversion of this stream from landfill including discussions with our landlords to provide this facility.

To achieve a 95% diversion of waste from landfill by 2025, a number of initiatives were implemented to become better in reducing waste. As part of the Cundall Diploma, graduates are asked to undertake a waste audit lasting one week as a minimum. This procedure identifies waste streams and volumes, allowing each office to consider ways to reduce waste as well as how to increase recycling rates.

The waste in our Sydney, Melbourne offices was audited in 2017 and again in 2019. The Adelaide office also undertook an audit in 2019 with our Perth and Brisbane office being due to do theirs early 2020.

### 3.2.6 Education and Training

We understand that education and training play a key role in achieving our social and environmental goals and in reducing our carbon footprint further. In line with our commitment to staff development and in support of our overall sustainability objectives, we provide an ongoing programme of training for all staff on sustainability issues.

#### Reporting and communication

We report on our progress against our sustainability objectives at an individual level through our annual appraisal process, regular Cundall-wide webinars and, organisationally, with the publication of our annual Sustainability Report.

A comprehensive introduction into Cundall's sustainability strategy and procedures is also mandatory for every new employee

The dedicated Sustainability Site on our intranet, Dr. Johnston, provides full details of our approach to sustainability, together with training and reference materials, our annual Sustainability Report and sustainability news from the construction and property sectors.

#### Cundall Diploma

Our CIBSE Award winning Cundall Diploma is open to all staff, providing skills and knowledge to change the industry, guide clients and drive sustainability into their work. We had 25 graduates globally, from trainees to partners complete the programme in 2019.

The objective of the course is to provide a broad understanding of all aspects of sustainable design. In terms of building performance, this includes modules on reducing energy consumption, renewable energy, embodied impacts of materials and the supply chain and health and wellbeing; with a focus on Indoor Environmental Quality (IEQ) and biophilic design.

The course is running on an annual cycle and is mandatory for all our graduates.

The modules related to Greenhouse Gas emissions are:

- Climate change and the role of engineers
- Reducing energy consumption in buildings

- One Planet Living – application in the built environment
- Pollution and toxicity
- Embodied impacts
- How building regulations promote and hinder sustainable design
- Natural capital
- Sustainable water design
- Generating clean renewable energy
- Making buildings WELL
- The future of cities – (Global collaborative workshop)
- Rating tools

### 3.2.7 Data Collection and Data Quality

As part of our global sustainability reporting we have been collecting comprehensive data sets since 2007. Collating data across 21 offices has been a challenge in the past. Our 2018 Sustainability Roadmap requires that we collate in excess of 30 indicators from every office

In 2018-19 we made a significant investment to improve the storage of our data by developing our own database using the database software, Ninox. It provides a much simpler and user-friendly data entry dashboard and easily allows the export of data for review, disclosure and improvement measures.

We believe the integrity of our data has greatly improved with the introduction of this database. It has helped us to identify areas in which we can improve our data collection process.



## 4.0 Emissions summary

Our Emissions Inventory is summarised in the table below.

| Scope                 | Emission source                                     |                    | t CO <sub>2</sub> -e |
|-----------------------|---|--------------------|----------------------|
| 2                     | Electricity, purchased                              |                    | 57.29                |
| 3                     | Electricity Scope 3                                 |                    | 6.28                 |
|                       | Waste to landfill                                   |                    | 0.11                 |
|                       | Business travel – taxi                              |                    | 4.78                 |
|                       | Business travel – flights                           | Short haul         | 51.75                |
|                       |   | Long haul          | 21.77                |
|                       | Business travel – private cars                      |                    | 2.44                 |
|                       | Business travel – public transport                  |                    | 1.02                 |
|                       | Business travel – accommodation                     |                    | 14.10                |
|                       | Paper   |                    | 0.12                 |
|                       | Food & catering                                     | Tea, coffee, sugar | 1.06                 |
|                       |   | Vegetarian         | 10.20                |
|                       |   | Other              | 23.65                |
|                       | Staff commuting                                     | Tram               | 0.49                 |
|                       |   | Bus                | 4.85                 |
|                       |   | Train              | 3.83                 |
|                       |   | Motorbike          | 5.40                 |
|                       |   | Car                | 3.96                 |
|                       | Postage/ freight couriers                           |                    | 2.91                 |
|                       | Stationary  |                    | 2.82                 |
|                       | Office printing                                     |                    | 1.69                 |
|                       | Telecommunications                                  |                    | 8.56                 |
|                       | IT equipment  |                    | 24.34                |
|                       | Cleaning services                                   |                    | 17.25                |
|                       | Tenant Gas  |                    | 0.00                 |
|                       | Tenant Water  |                    | 0.87                 |
|                       | Base building – electricity                         |                    | 0.45                 |
|                       | Base building – gas                                 |                    | 0.34                 |
|                       | Base building - water                               |                    | 0.41                 |
| 3                     | Carbon Neutral Program certified paper (Fuji Xerox) |                    | 0.00                 |
| Total Gross Emissions |   |                    | 261.47               |
| Green Power           |   |                    | 48.24                |
| Total Net Emissions   |   |                    | 213.23               |



## 5.0 Carbon offsets

### 5.1 Offsets summary

We purchased and retired offsets from the Ghani Solar Renewable Power Project by Greenko Group in India.

The main purpose of this project activity is to generate a clean form of electricity through renewable solar energy sources. The project activity involves installation of a 500 MW solar power project in Andhra Pradesh state of India. Over the 10 years of first crediting period, the project will replace anthropogenic emissions of greenhouse gases (GHG's) estimated to be approximately 887,800 tCO<sub>2</sub>e per year, thereon displacing 919,800 MWh/year amount of electricity from the generation-mix of power plants connected to the Indian grid, which is mainly dominated by thermal/fossil fuel based power plant. Our offsets can be summarised as follows:

Table 2: Offset summary

| Offset period   | Projects supported by offset purchase                | Eligible offset units | Registry | Cancellation date | Serial numbers (including hyperlink to registry transaction record)  | Vintage | Quantity   |
|---|--|-----------------------|----------|-------------------|--|---------|------------|
| Base year (FY 17/18)                                  | Ghani Solar Renewable Power Project by Greenko Group | VCUs                  | APX      | 17/07/2019        | 6770-341947346-341947549-VCU-034-APX-IN-1-1792-31032017-31122017-0<br><a href="#">Click here for Hyperlink</a> | 2017    | 204        |
| FY 18/19 (purchased and retired upfront)              | Ghani Solar Renewable Power Project by Greenko Group | VCUs                  | APX      | 17/07/2019        | 6770-341947550-341947753-VCU-034-APX-IN-1-1792-31032017-31122017-0<br><a href="#">Click here for Hyperlink</a> | 2017    | 204        |
| FY 18/19 (true-up purchase and retirement)            | Ghani Solar Renewable Power Project by Greenko Group | VCUs                  | APX      | 25/10/2019        | 6770-341947793-341947802-VCU-034-APX-IN-1-1792-31032017-31122017-0<br><a href="#">Click here for Hyperlink</a> | 2017    | 10         |
| FY 19/20 (purchased and retired upfront)              | Ghani Solar Renewable Power Project by Greenko Group | VCUs                  | APX      | 30/10/2019        | 6770-341947803-341948016-VCU-034-APX-IN-1-1792-31032017-31122017-0<br><a href="#">Click here for Hyperlink</a> | 2017    | 214        |
| <b>Total offsets cancelled financial year 2018/19</b> |  |                       |          |                   |  |         | <b>214</b> |
| <b>Total offsets cancelled since base year</b>        |  |                       |          |                   |  |         | <b>621</b> |
| <b>Total offsets banked for use future years:</b>     |  |                       |          |                   |  |         | <b>Nil</b> |

## 5.2 Offsets purchasing and retirement strategy

This report outlines our Carbon Inventory for the base year period. Our offsets were purchased upfront at the beginning of the reporting period for the first reporting year following the base year.

We also purchased and retired offsets in arrears at the end of the base year reporting period covered by this report.

## 5.3 Offset projects (co-benefits)

The following co-benefits are associated with the offset project:

- **Social well-being:** The project would help in generating employment opportunities during the construction and operation phases. The project activity will lead to development in infrastructure in the region like development of roads and also may promote business with improved power generation.
- **Economic well-being:** The project is a clean technology investment in the region, which would not have been taken place in the absence of the VCS benefits the project activity will also help to reduce the demand supply gap in the state.
- **Technological well-being:** The successful operation of project activity would lead to promotion of solar power generation and would encourage other entrepreneurs to participate in similar projects.
- **Environmental well-being:** Solar being a renewable source of energy, it reduces the dependence on fossil fuels and conserves natural resources which are on the verge of depletion. Due to its zero emission the Project activity also helps in avoiding significant amount of GHG emissions and specific pollutants like SO<sub>x</sub>, NO<sub>x</sub>, and SPM associated with the conventional thermal power generation facilities.

## 6.0 Use of trade mark

The NCOS trade mark has been used in the following publications:

Table 3: Trade mark register

| Where used   | Logo type              |
|--|------------------------|
| Sustainability Report FY 18/19 (not published yet)   | Certified organisation |
| Email signature  | Certified organisation |
| Cundall website<br>( <a href="https://cundall.com/News/Cundall-gains-carbon-neutral-status-in-Australia.aspx?view=true">https://cundall.com/News/Cundall-gains-carbon-neutral-status-in-Australia.aspx?view=true</a> ) | Certified organisation |
| Marketing presentations  | Certified organisation |
| LinkedIn post<br>( <a href="https://www.linkedin.com/feed/update/urn:li:activity:6582138875093876736">https://www.linkedin.com/feed/update/urn:li:activity:6582138875093876736</a> )                                   | Certified organisation |

**Cundall Johnston & Partners PTY**

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[www.cundall.com](http://www.cundall.com)

