

CORPORATE SOCIAL RESPONSIBILITY EVENT REPORT

The Australian and New Zealand College of Anaesthetists (ANZCA)

ANZCA Annual Scientific Meeting 2023

July 2023

Report prepared by **Jess Zickar**

ACKNOWLEDGEMENT OF COUNTRY

International Convention Centre Sydney (ICC Sydney) stands and operates on the land of the Gadigal clan of the Eora Nation. In the spirit of reconciliation and as a demonstration of respect for the traditional laws, customs, cultures and Country of the First Peoples of this land, ICC Sydney warmly acknowledges the traditional custodians of Gadigal Country and demonstrates respect to Elders past, present and emerging.

MESSAGE FROM THE CEO

As a responsible business that embraces the UN's Sustainable Development Goals, ICC Sydney strives to unlock the potential of the world-class events we host to leave a lasting environmental and social legacy. Since our inception, ICC Sydney has been dedicated to integrating positive sustainability and corporate social responsibility practices into every aspect of how we conduct our business.

Event organisers are becoming more aware of how an event can impact the environment, and collectively, the event industry is moving forward with sustainability in mind, increasingly seeking opportunities to ensure we deliver events in the most environmentally friendly and social conscious way possible. Building on our outstanding history of innovation in corporate social responsibility, and demonstrating our ongoing commitment to sustainability, ICC Sydney are proud signatories of the EEAA Sustainable events 2030 pledge and the Net Zero 2050 Pledge. As signatories, we are committed to long-term goals that ensure we are leading the way in tackling climate change, across all our activities while recognising the core strength of ICC Sydney as a globally connected, socially committed venue.

We aim to innovate at every opportunity, seeking ways to improve our waste minimisation strategies and to reduce our carbon footprint, through implementing innovative waste management solutions, developing carbon friendly menus, and in the use of sustainably sourced and environmentally friendly products, produce and services. In 2020, ICC Sydney won the international UFI Sustainable Development Award for our outstanding waste reduction program and we continue to be an Earthcheck Silver certified venue, further demonstrating our drive to tackle the key environmental issues facing the event industry today.

Located on Gadigal Country the sparkling shore of Darling Harbour, the natural beauty surrounding our venue inspires us to work with our partners and clients to deliver world-class experiences that leave a lasting Legacy for the community and the environment. Through its event Legacy Program, ICC Sydney connects clients with a cross section of New South Wales and Sydney's vibrant communities, providing social and environmental sustainability initiatives at events.

There is no doubt that the dedicated efforts of our staff in partnership with our clients will ensure that we achieve our new sustainability targets. We look forward to working with you on the journey to a better, greener future.

GEOFF DONAGHY

Chief Executive Officer
International Convention Centre Sydney

Group Director – Convention Centres
ASM Global (APAC)

1 INTRODUCTION

1.1 Purpose of this Report

Events can have a significant environmental footprint from carbon emissions, waste, and resource usage. Conversely, they can also leave a lasting Legacy by contributing to environmental, social and economic development of the community in which they take place. ICC Sydney recognises is the collective responsibility of the events industry to plan, manage and improve both the negative and positive impacts of events.

This report aims to

- Estimate the potential environment, social and economic impacts of the Australian and New Zealand College of Anaesthetists (ANZCA) Annual Scientific Meeting (ASM) 2023
- Highlight the mitigations measures, carbon offsetting, and Legacy initiatives that were identified during the planning and delivery stages to address the potential impacts of the event
- Measure and report on the environmental, social and economic outcomes of the ANZCA ASM 2023 to understand the overall impacts of the event, both positive and negative
- Assess and identify opportunities for future environment, sustainability, and social Legacy performance improvement, to help make a long-term difference and to build on the successes of the event
- Review how the ANZCA ASM 2023 aligned with the 2020 ANZCA Statement on Climate Change, including supporting actions described in the supplementary “Sustainability at ANZCA Events”
- Raise awareness about sustainability and improve sustainability and social Legacy knowledge and skills across the industry.

2 ICC SYDNEY’S COMMITMENT TO CORPORATE SOCIAL RESPONSIBILITY

2.1 ASM Global Acts

ICC Sydney is managed by ASM Global, the world’s leading venue management and services company. ASM Global’s venue network spans five continents, with a portfolio of more than 300 of the world’s most prestigious arenas, stadiums, convention and exhibition centres, and performing arts venues.

In October 2021, ASM Global launched the [ASM Global Acts](#) corporate social responsibility platform. ASM Global Acts aligns with a meaningful cross section of the United Nations Sustainable Development Goals to help deliver an even better workplace and more diverse workforce, while supporting the ASM Global network of venues to serve the communities in which it operates, while contributing to a healthier environment and planet.

ASM Global Acts is an extension of ASM Global’s longstanding commitment to corporate social responsibility, and is built around the following three core pillars:

- **Protect the Environment** – aim to reduce waste from the guest experience across all ASM Global venues, enhance facility efficiency through capital investments, and protect and preserve resources in and around nearby communities

- **Invest in People** – seek to expand inclusion and gender equity across the organisation, grow the diversity of ASM Global's business partners around the world, and enable opportunities for its current and future workforce
- **Strengthen our Communities** – work to engage with and improve the vitality of communities in which the business operates, increasing philanthropic support through meaningful efforts, and enhance the health and well-being of employees, clients and guests.

As an ASM Global managed venue, ICC Sydney is proud to work towards delivering initiatives that support the outcomes defined by these pillars through its CSR program.

2.2 Corporate Social Responsibility at ICC Sydney

Sustainability and positive social contribution are at the core of ICC Sydney's business practices. ICC Sydney's CSR program aligns with the ASM Global Acts platform, and adopts a triple bottom line approach that considers the ways in which it can foster community engagement, environmental sustainability, and economic development.

ICC Sydney's CSR Strategy has been developed in line with international standard ISO14001 and EarthCheck criteria, and in consideration of ICC Sydney's commitments as signatories of the EEAA 2030 Sustainable Events Pledge and 2050 Net Zero Pledge. In addition, ICC Sydney have adopted relevant United Nations Sustainable Development Goals (SDGs) to ensure it is part of a united global conversation.

Objectives of ICC Sydney's CSR Strategy include:

- Establishing CSR benchmarks for events. ICC Sydney works closely with clients to deliver the best environmental and community outcomes possible, uniquely tailoring initiatives to meet the needs each event. The key environmental and Legacy Program initiatives that were activated during the 2023 ANZCA Annual Scientific Meeting are described in **Section 2, Event Overview**.
- Positively contributing to the community including local entities and charity partners
- Impacting the supply chain to encourage sustainable practices and provide economic impact
- Supporting our people and maximising the morale of the ICC Sydney team to help deliver amazing events for clients
- Positively influence stakeholders and clients by delivering industry leading CSR practices and initiatives.

ICC Sydney is committed to monitoring and measuring its environmental performance to drive continual improvement. This includes annual monitoring and reporting through EarthCheck performance benchmarking.

ICC Sydney is also committed to providing its clients with the most enriching experiences, on every level. An Australian first, it's client Legacy Program was designed to help clients to deliver an impact, and contribute to the intellectual, social and cultural capital of Sydney, long after the conclusion of the event. ICC Sydney's Legacy Program sets out five Legacy streams: Environmental Sustainability; First Nations; Generation Next; Innovators and Entrepreneurs; Creative Industries.

3 EVENT OVERVIEW AND CSR OBJECTIVES

3.1 ANZCA's Focus on Environmental Sustainability

As an organisation, ANZCA is committed to minimising the health impact of climate change and promoting environmental sustainability, and has taken measures to reduce its environmental impact. In 2019 ANZCA published its [Position Statement on Environmental Sustainability in Anaesthesia and Pain Medicine Practice](#), and in 2020 ANZCA released a Statement on Climate Change, committing to measures that act to reduce the organisations carbon footprint.

3.2 ANZCA Annual Scientific Meeting 2023

From 5 May to 9 May 2023, the International Convention Centre Sydney (ICC Sydney) welcomed the Australia New Zealand College of Anaesthetists (ANZCA) Annual Scientific Meeting (ASM), 2023. The theme for the ANZCA ASM 2023 was "Be Connected".

The event was attended by about 1900 healthcare professionals as well as speakers from Australia, New Zealand, the United Kingdom, Israel, and Canada. This large delegation 'connected' to take part in a thought-provoking, informative and comprehensive scientific program with a vast and complex array of workshops, presentations, plenaries, small group discussions, networking opportunities and social activities.

In person activities were supplemented by a virtual option for those who were unable or unwilling to travel and a creche was available to parents and carers to improve the accessibility and equity of the event for a more diverse cross section of healthcare professionals.

As inspired and inspiring guests converged to secure their place as innovative and highly equipped healthcare industry leaders, they also connected to plot the pathway to a more sustainable future for the healthcare industry. Event organisers prioritised a program that included sessions on sustainability, diversity equity and inclusion, modern day applications of the traditional knowledge of First Nations communities, and the industry's role in realising a more carbon friendly future.

As part of the event planning process, ANZCA identified a number of key sustainability and diversity and inclusion values and goals that are important to the organisation which were to be addressed throughout the development and delivery of the ANZCA ASM 2023, including:

- Reducing overall landfill waste
- Increasing sustainability of the food offerings
- Supporting, acknowledging, showcasing and celebrating First Nations people, traditions, culture and knowledge
- Measuring carbon emissions to understand the impact of the event and establish a baseline for future improvement
- Delivering meaningful communications to delegates about sustainability to not only highlight the sustainability offerings of the event, but to influence conversation and affect greater change
- Increasing delegate awareness of environmental impacts and promoting accountability
- Improving event accessibility for parents and carers.

Using these key sustainability and diversity and inclusion values and goals, a series of targets were established, which form the basis of this Corporate Social Responsibility Report, as follows:

- Undertake a baseline assessment to quantify the carbon footprint of ANZCA ASM 2023
- Minimise total waste production and undertake an assessment to understand key sources of event waste
- Deliver an equitable event that supports First Nations communities, parents and carers, and people with a disability, while promoting sustainable medical and event practices
- Demonstrate ANZCA’s culture of philanthropy, by leaving a lasting international legacy through the support of Lifebox Australia New Zealand, long-term charity partners of ANZCA.

3.3 Carbon Footprint

Target: Undertake a baseline assessment to quantify the carbon footprint of ANZCA ASM 2023

In partnership with ICC Sydney, ANZCA’s event organiser team defined an action plan which was delivered throughout each stage in the lifecycle of the event, to undertake a baseline assessment of the carbon footprint of the event and to make informed decisions to minimise its footprint.

Table 1: Greenhouse gas and climate change - action plan

Event phase	Actions
<p>Initial planning</p> <p>Identifying opportunities to reduce the carbon footprint during the event planning stage</p>	<ul style="list-style-type: none"> • Identify any opportunities for additional or improved actions to reduce the event carbon footprint, to be included in the greenhouse gas and climate change action plan
<p>Pre-event</p> <p>Coordinate and establish actions for delivering on opportunities identified during initial planning</p>	<ul style="list-style-type: none"> • Collaborate with ICC Sydney to undertake a pre-event carbon footprint estimation to gain an understanding of the potential carbon impact of the event • Provide delegates with separate carbon offset credit purchase choices for travel, and event impact • Using the ICC Sydney sustainable events guide, plan sustainable operation strategies, including: requirements for exhibitor stalls to be more sustainable such as considering LED lighting and limiting single use or unnecessary promotional items and fliers • Catering menu to consider and prioritise lower carbon food options • No single use plastics to be used in any food service • Plant-based highly compostable packaging and serving ware to be used where practical • Encouraging delegates to use active transport (walking) or public transport to reduce emissions when travelling from accommodation to ICC Sydney • Develop a sustainability and climate change communications strategy to inform and educate delegates
<p>Delivery</p> <p>Deliver carbon reduction initiatives identified during the pre-event planning stage</p>	<ul style="list-style-type: none"> • Energy efficient LED lighting and automatic shut-off / shut on motion provided in all meeting rooms • Schedule shut down of air-conditioning and lighting at the end of each day, and for bump in / bump out where practicable • Exhibitors requested to use efficient LED lighting in stands • Encouraging delegates to utilise public and active transit • Lower carbon meals to form at least 60% of event catering • An interactive and informative webpage established that highlights key sustainability initiatives delivered by the event • Waste minimisation strategies as per the below (Section 2.3)

Event phase	Actions
Closure Understand the final carbon footprint of the event at completion, to use as a baseline for all similar events moving forward	<ul style="list-style-type: none"> Undertake a post-event carbon footprint analysis
Future Identify opportunities to improve carbon footprint results of future events	<ul style="list-style-type: none"> Review the post-event carbon footprint analysis to identify opportunities for future ANZCA events to aim for and achieve greater carbon reduction goals

3.4 Waste Management

Target: Minimise total waste production and undertake an assessment to understand key sources of event waste

To achieve the target of a reduced waste footprint and an assessment of estimated waste produced by this event, ANZCA, in partnership with ICC Sydney, have defined an action plan which was delivered throughout each stage in the lifecycle of the event.

Table 2: Waste Management - action plan

Event phase	Actions
Planning Understand the extent of potential waste generation prior to the event taking place, identifying types of waste and quantities to be produced. Identify opportunities to reduce waste during the event planning stage, and strategies to divert waste from landfill.	<ul style="list-style-type: none"> Undertake a pre-event waste production analysis to understand the most likely sources of excessive waste Identify any opportunities for additional or improved actions to reduce the generation of waste
Pre-event Coordinate and establish actions for delivering on opportunities identified during initial planning	<ul style="list-style-type: none"> Designate required waste streams Work with ICC Sydney to coordinate bin types, number, and placement to adequately accommodate waste streaming during the event Source sustainable event supplies such as compostable lanyards Seek opportunities for creative waste diversion of highly visible event elements and single use materials and investigate opportunities to minimise waste footprint Communicate expectations regarding construction materials, size of stands and reusability of furniture and promotional items Develop a sustainability communications strategy to inform and educate delegates
Delivery	<ul style="list-style-type: none"> Provision of refilling water stations, chilled refillable carafes at tables, and washing stations to reduce plastic bottles and consumption of unnecessary single use plastics No single use plastics to be used in any food service

<p>Deliver waste reduction initiatives identified during the pre-event planning stage</p>	<ul style="list-style-type: none"> • Activation of four standard waste streams – bins for the following waste streams to be placed at optimal locations to encourage appropriate waste collection and sorting: organics, paper and cardboard, mixed recycling, and general waste • Activation of one bespoke waste stream • Educating attendees regarding waste stream and contamination by providing appropriate signage • No single use plastics to be used in any food service. Plant-based highly compostable packaging and serving ware to be used where practical • Reduce waste associated with exhibition component of the event, including stands, signage and promotional items • Educate attendees regarding waste stream and contamination by providing appropriate digital signage
<p>Closure Understand the final waste footprint of the event at completion, determining if target of 75% waste diversion from landfill is met</p>	<ul style="list-style-type: none"> • Undertake a post-event waste analysis to estimate final waste quantities per stream and overall diversion from landfill • Calculate estimated uptake of cup washing stations • Calculate estimated single use plastic water bottles saved, assuming that a minimum of 2 water bottles conserved per attendee (conservatively assuming each person would consume 1L water per day) • Calculate estimated waste avoidance by implementation of lanyard recycling
<p>Future Identify opportunities to improve waste footprint results of future events</p>	<ul style="list-style-type: none"> • Review the post-event waste footprint analysis to identify opportunities for future ANZCA events to aim for and achieve greater carbon reduction goals.

3.5 Legacy

Target: Deliver an equitable event that supports First Nations communities, parents and carers, and people with a disability, while promoting sustainable medical and event practices; and demonstrate ANZCA’s culture of philanthropy, by leaving a lasting international legacy through the support of Lifebox Australia New Zealand, long-term charity partners of ANZCA.

To achieve their Legacy target, ANZCA, in partnership with ICC Sydney, have defined a Legacy action plan that was delivered throughout each stage in the lifecycle of the event.

Table 3: Legacy – Action Plan

Event phase	Actions
<p>Planning Review ICC Sydney’s Legacy Programs offerings to identify opportunities to engage with First Nations community and to promote sustainable practices. Identify how the event can rise to meet the CSR values of ANZCA.</p>	<p>Undertake a pre-event analysis to identify opportunities to:</p> <ul style="list-style-type: none"> • Engage with First Nations communities, parents and carers, and other underrepresented communities in event activities, including the event proceedings • Promote and support ANZCA charity partners • Align the event with ANZCA’s Position Statement on Environmental Sustainability in Anaesthesia and Pain Medicine Practice” and the ANZCA Statement on Climate Change
<p>Pre event</p>	<ul style="list-style-type: none"> • Confirm Legacy streams to be activated as part of the event that align with the ANZCA sustainability, and diversity, equity and inclusion values

<p>Coordinate and establish actions for delivering on opportunities identified during initial planning</p>	<ul style="list-style-type: none"> • Establish contact with relevant Legacy program partners to engage them in the event as required, including securing a culturally appropriate Welcome to Country • Identify solutions to encourage participation by parents and carers • Develop and deliver an event program that includes topical and thought provoking sustainability and diversity, equity and inclusion focused sessions • Leave a lasting international legacy that addresses a key challenge faced by the healthcare industry
<p>Delivery Deliver cultural representation, diversity and inclusion, and sustainability initiatives identified during the pre-event planning stage</p>	<ul style="list-style-type: none"> • First Nations - Welcome to Country to be provided by MLALC • A creche to be provided to allow parents and carers to attend and meaningfully participate in event proceedings • The event program to include sessions that engage and educate delegates in sustainability and diversity, equity and inclusion topics, relevant to the industry • Build further diversity, equity and inclusion into the event program by engaging speakers from a range of backgrounds and experiences, including speakers who identify as female, persons with a disability, LGBTQIA+, First Nations, as well as people from diverse cultures and nationalities • Deliver a women in STEMM breakfast to support gender diversity in the industry and support women into future leadership roles • Communicate results of recent reusable scrub cap hygiene research and encourage delegates to influence their places of work to implement a reusable policy • Ensure positive accessibility through the use of hearing loops and maximising the availability of wheelchair access throughout the venue • Invest in the next generation of industry professionals by targeting emerging leaders to participate as session co-chairs
<p>Closure Understand the final Legacy impact of the event at completion</p>	<ul style="list-style-type: none"> • Assess delivery of the actions defined in this Legacy action plan • Report crèche attendance • Estimate and report delegate engagement with cultural and sustainability experiences • Report number of sessions related to sustainability, and diversity, equity, and inclusion • Estimate delegate engagement with cultural and sustainability experiences • Report number of reusable scrub caps distributed to delegates • Report support provided to Lifebox Australia New Zealand • Report number of emerging leaders selected to participate as session co-chairs • Assess First Nations legacy impact against the ICC Sydney Reconciliation Action Plan
<p>Future Identify opportunities to improve First Nations representation at future events and to further highlight sustainability initiatives</p>	<ul style="list-style-type: none"> • Review the post-event reporting to identify opportunities for future ANZCA events to incorporate more Legacy focussed activities into the event schedule • Review the post-event reporting to identify opportunities for future ANZCA events to continue to deliver targeted and impactful Legacy initiatives.

4 ASSESSMENT METHODOLOGY

4.1 Carbon Footprint

Greenhouse gases (GHGs) are gases in the atmosphere that absorb and re-radiate heat from the sun, trapping heat in the lower atmosphere and influencing global temperatures. Emissions of GHGs into the atmosphere are caused by both natural processes and human activities such as the burning of fossil fuels to generate electricity. Since the early 1800's there has been an observed increase in the amount of GHGs emitted from human activities. This has led to an increase in the average surface temperature of the earth and subsequent global climate change impacts such as more extreme weather events (Intergovernmental Panel on Climate Change (IPCC) 2013).

Emissions sources are categorised into the following three 'scopes':

Scope 1 – direct emissions: GHG emissions generated by sources owned or controlled by ICC Sydney and the event, for example emissions generated by diesel fuel in plant, equipment, or vehicles

Scope 2 – indirect emissions: GHG emissions from the consumption of purchased electricity in ICC Sydney or ANZCA owned or controlled equipment or operations. These GHG emissions are generated outside ICC Sydney premises, for example the use of electricity purchased from the grid.

Scope 3 – indirect upstream/downstream emissions: GHG emissions generated in the wider economy due to third party supply chains, but as a consequence of activity within the scope of the event. Examples include GHG emissions associated with travel of delegates, or the production and transport of materials used in construction of stands.

To work towards understanding and mitigating the impact of the event industry on greenhouse gas and climate change, ICC Sydney are working in collaboration with the Exhibition and Event Association of Australia (EEAA) to measure the estimated carbon footprint of events held at ICC Sydney.

The methodology for this GHG assessment has considered relevant GHG reporting legislation and reporting guidelines, including:

- National Greenhouse and Energy Reporting Act 2007 (NGER Act) (Commonwealth)
- Climate Active Carbon Neutral Standard for Organisations, Commonwealth of Australia, 2019
- Climate Active Technical Guidance Manual
- The current Australian National Greenhouse Accounts: National Greenhouse Accounts Factors (NGA Factors) (Department of the Environment 2016)
- Australian Greenhouse Emissions Information System (AGEIS)
- Intergovernmental Panel on Climate Change (IPCC) 2006 Guidelines for National Greenhouse Gas Inventories
- AS/ISO 14064.1:2006 Greenhouse Gas Part 1: Specification with guidance at the organisational level for quantification and reporting of greenhouse gas emissions and removals.

To calculate the estimated GHG emissions associated with the event, the following steps were followed:

1. **Define.** The first step of the process is to define the assessment boundary of the event.

The assessment boundary defines the scope of GHG emissions, the activities, and the event spaces to be included in the GHG assessment. The assessment boundary includes the identification of emissions scope types that can be influenced by decisions made by planners, contractors, managers, operators, vendors, venue staff, and delegates, and accounts for emissions anticipated to be generated during the bump-in, delivery and bump-out stages of the event. The assessment boundary is established by reviewing and identifying the type of event, location and floor space of the event, number of delegates and/or visitors, origin location of delegates and/or visitors, the duration of the event, and so on.

2. **Identify:** To calculate a carbon footprint, all possible sources of GHG emissions must first be identified.

Each likely source of scope one and scope two emissions considered in step one is identified in detail, including but not limited to: electricity consumption (including the percentage supplied from renewable sources), water consumption, natural gas consumption, meals served, and waste quantities. Scope three emissions are included for assessment on a need only basis. Scope three emission comprise items such as delegate travel and delegate accommodation. For this assessment, it was determined that scope three emissions would not be taken into account, as ANZCA delivered an initiative to educate and encourage delegates to offset their travel at the time of registration, as detailed in **Section 5.1**.

3. **Calculate:** Calculate the estimate carbon footprint of the event in consideration of relevant Australian reporting legislation and calculation and reporting guidelines.

The estimated GHG emissions associated with each identified GHG source within the assessment boundary is calculated individually, using the Event Carbon Calculator tool, developed by Edge Consultancy on behalf of EEAA. This data is then compiled to determine the overall estimated carbon footprint of the event, or carbon emission profile.

The carbon footprint of the event is expressed in carbon dioxide equivalent or CO₂e. CO₂e is a standard metric measure for measuring carbon footprints. CO₂e is used to compare the emissions from various types of greenhouse gases relative to the quantity of CO₂ it would take to produce the same amount of global warming. For example, it may take 1 tonne of a particular GHG to produce the same global warming impact as 3 tonnes of CO₂ – in this instance the CO₂e would be 3 (and not 1). In other words, CO₂e allows us to understand the global warming potential of different greenhouse gases on an even playing field. In developing the Event Carbon Calculator tool, Edge Consultancy have derived greenhouse gas CO₂e factors from ReCiPe 2016, which is a life cycle assessment database and assessment framework that quantifies the estimated environmental impact of the complete life cycle of products. This has been supplemented with life cycle assessment data from two additional databases; the Australian National Life Cycle Inventory Database, and Exiobase.

4. **Present:** Present the outcomes of calculations that show the estimated GHG emissions associated with the event and identify opportunities for improvement and offsetting. These results are provided in tonnes (t) and kilograms (kg) CO₂e.

The results of the assessment are presented and analysed to understand the carbon footprint of the event. The estimated GHG emissions associated with the event are provided as a total, by activity, and by delegate. This allows for the identification of inefficiencies resulting in higher emission and of subsequent carbon reduction opportunities. The outcomes of this assessment also provide the relevant data required to inform the purchase of carbon offset credits.

4.2 Waste Management

Smart waste management and minimisation can result in positive environmental impacts associated with reduced resource use.

ICC Sydney has a waste diversion from landfill target of 75% as part of ICC Sydney’s drive to Protect the Environment. Diverting waste away from landfills helps to prevent pollution that can harm the environment and the health of our communities. Reducing, re-using and recycling waste can also bring economic benefits and help secure access to raw materials and fossil fuels (such as metals and petroleum-based materials), reducing the need for mining and other harmful processing and production operations.

Positive waste management practices can also help reduce GHG emissions associated with the energy, land, and water used to produce, transport, consume, and dispose of goods.

At ICC Sydney, all waste management systems and processes strive towards industry best practice. ICC Sydney’s waste management policy and associated waste reporting complies with the following relevant NSW State legislation:

- Protection of the Environment Operations Act 1997
- Waste Avoidance and Resource Recovery Act 2001.

The aim of the Waste Avoidance and Resource Recovery Act 2001 (WARR Act) includes "to encourage efficient use of resources, reduce environmental harm, and reduce waste generation in accordance with the principles of ecologically sustainable development." To meet the objectives of the WARR Act, waste management options at ICC Sydney are considered and selected in accordance with the following hierarchy in Figure 1 (Source: <https://www.planning.nsw.gov.au/Assess-and-Regulate/State-Significant-Projects/Energy-from-waste>).

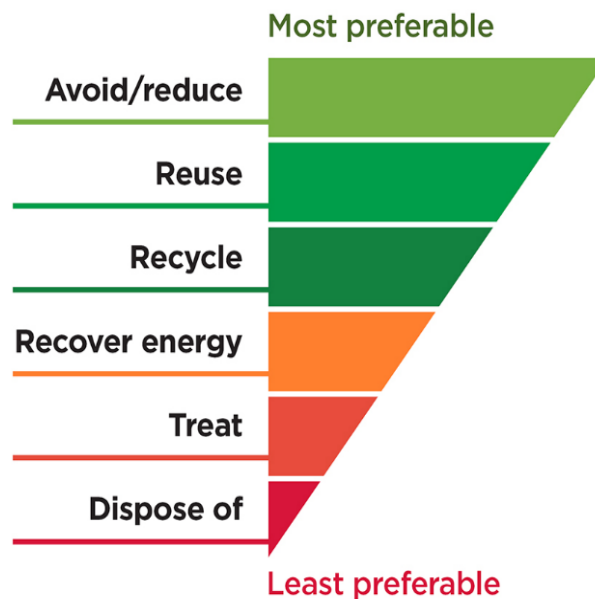


Figure 1: Waste hierarchy

To help each event reach its waste minimisation potential the following waste management strategies are undertaken by ICC Sydney in accordance with the WARR Act:

- Assess potential waste generating activities that may occur during the event
- Identify the likely classification of waste streams for the event in accordance with relevant legislation and guidelines
- Develop management and handling techniques for key waste streams, including waste storage and collection, minimisation and re-use.

In addition to the above, ANZCA undertook a detailed review to identify practical solutions to comply with the first tier of the waste hierarchy – avoiding and reducing waste. A number of impactful strategies were employed by ANZCA to limit the waste production capacity of ANZCA ASM 2023, which are described in **Section 5.2**.

To assist in the accuracy of waste reporting strategies at ICC Sydney, we have employed an innovative metering and analytics platform for waste and recycling known as BinTracker. This event waste report is compiled with detailed real-time data that is captured using the following methodology:

- Waste streams required for the event are identified
- Each waste stream is assigned an appropriate number of bins
- Each bin is provided a unique QR code identification and placed in an appropriate location in the venue to collect waste from the event
- Once full, each bin is collected from the venue. The unique identifying QR code is scanned and the bin is placed on a weight scale. The following is then recorded within the BinTracker software for each bin:
 - Event name
 - Location, date and time of bin collection, and name of presentation services specialist responsible for the bin
 - Waste stream categorisation of the bin
 - Weight of the waste in bin
 - Percentage of waste stream contamination in bin
 - Photo of the waste in the bin
- Final confirmation of where the waste within the bin has ultimately been diverted to (noting that high contamination of any waste stream may require the bin to be diverted to landfill).

All the above data is collated within a waste report and dashboard, which provides the information used to generate this event waste report. The methodology described above is summarised in the figure below.

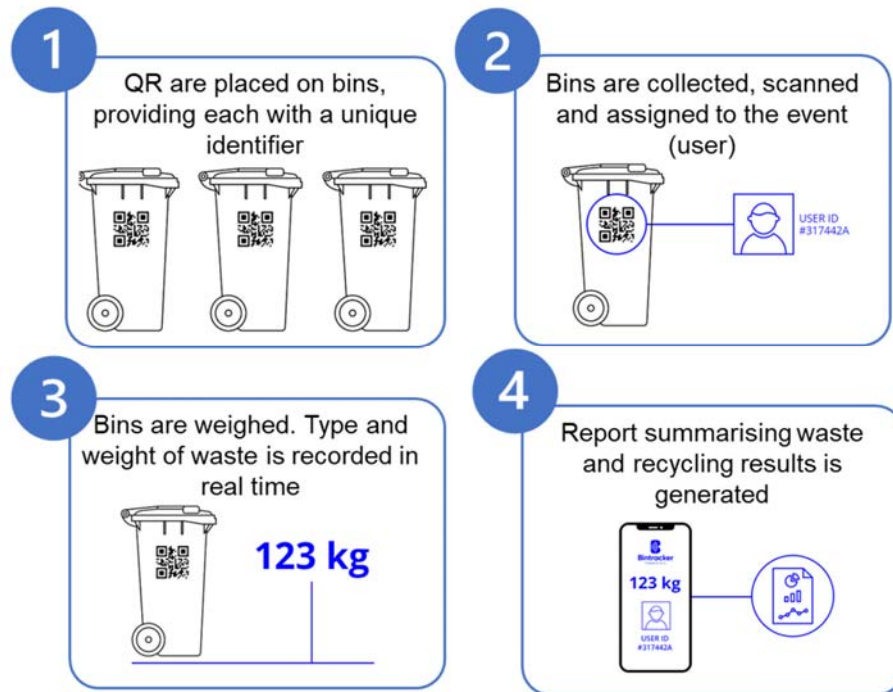


Figure 2: BinTracker methodology

Using the BinTracker software, ICC Sydney is also able to provide clients with real time data regarding the waste being produced by an event and the effectiveness of waste sorting by delegates and contractors in real time.

Information provided by Bintracker has been supplemented with monthly waste reporting data provided by ICC Sydney's waste management partners, Cleanaway and validated against averages waste data obtained from similar sized events (in terms of delegate numbers, location, and duration) at ICC Sydney.

4.3 Legacy

To review how the ANZCA AGM 2023 met its Legacy objectives described in **Section 3.5**, each action defined in the Legacy action plan was reviewed to determine if it was met during the delivery of the event.

In addition, the following were measured and reported:

- Crèche attendance
- Number of sessions related to sustainability, and diversity, equity, and inclusion
- Delegate engagement with cultural and sustainability experiences
- Number of reusable scrub caps distributed to delegates
- Report support provided to Lifebox Australia New Zealand
- Number of emerging leaders selected to participate as session co-chairs

To help understand Legacy impact to First Nations communities, event activations were reviewed against the ICC Sydney Reconciliation Action Plan which is the framework through which ICC Sydney works to support Aboriginal and Torres Strait Islander people and the journey to Reconciliation.

5 RESULTS

5.1 Carbon Footprint

As per the greenhouse gas and climate change action plan detailed in **Section 3.3**, a pre-event and post-event carbon footprint analysis was undertaken to estimate and help reduce the carbon footprint of the event.

The pre and post event carbon footprint analyses took into consideration the type of event, event duration and size, food and beverage arrangements, flooring and stands, estimated energy consumption, waste, and staging.

According to the results of the carbon footprint calculator, the ANZCA ASM 2023 had an estimated pre-event total carbon footprint of:

Pre-Carbon Offset Carbon Footprint = 369.03 tonnes (t) CO₂-e

The results of the pre-event carbon footprint analysis predicated that the primary sources of carbon for the event would be associated with energy expenditure, promotional items and signage, travel and accommodation, and catering. Using this information, the ANZCA event organisers sought opportunities to reduce their carbon footprint associated with these key areas. These are detailed in the carbon footprint action plan.

Following the delivery of the event which incorporated carbon reduction strategies, a post-event carbon footprint analysis was completed. According to the results of the carbon footprint calculator, the ANZCA ASM 2023 had an estimated post-event total carbon footprint of:

Post-Carbon Offset Carbon Footprint = 232.85 tonnes t CO₂-e

The carbon footprint for each attending delegate was approximately **122.5 kg CO₂-e per person** (1900 delegates).

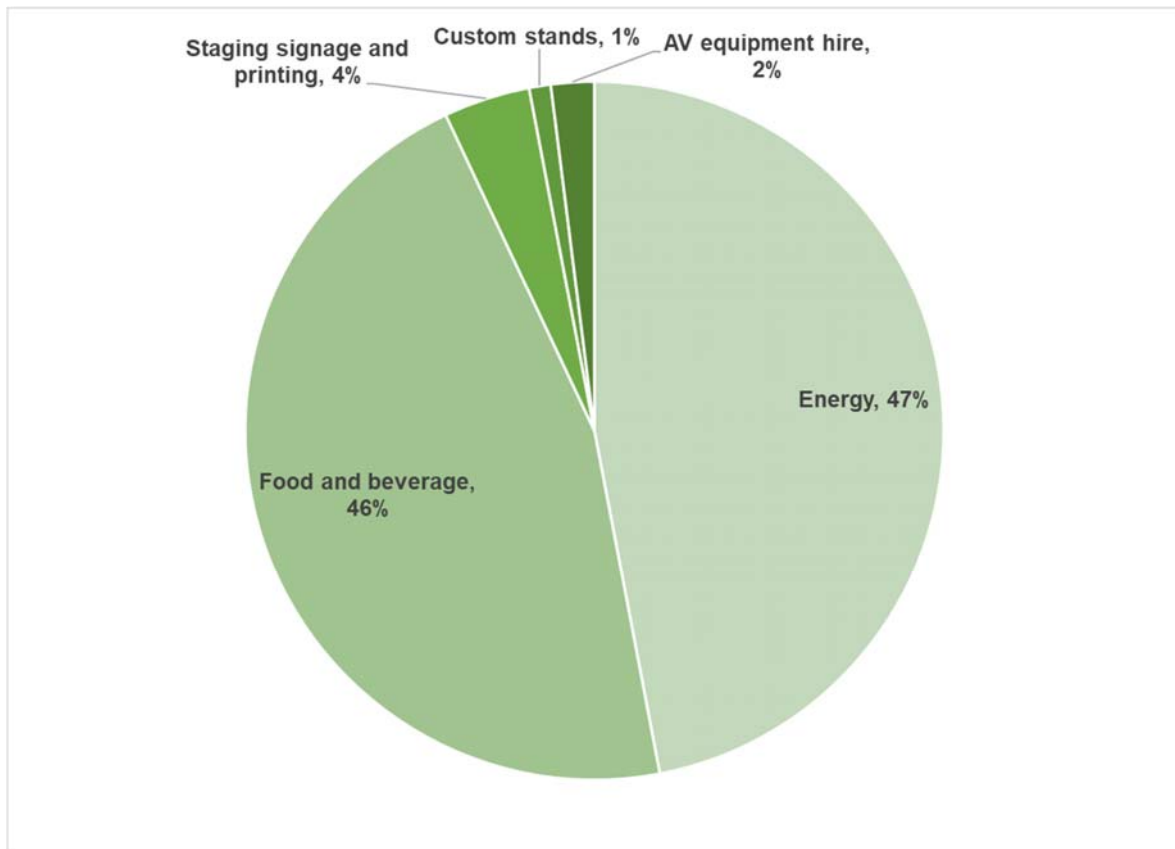


Figure 3: Carbon footprint calculator results for ANZCA ASM 2023

According to the results of the carbon footprint calculator shown on the pie-chart above, the primary source of carbon for the event was energy expenditure associated with lighting, catering, air-conditioning, refrigeration, and so on. Energy expenditure accounted for approximately 47% of the total carbon footprint of the event (approximately 110 CO₂e). Food and beverage accounted for the next biggest contribution the carbon footprint at 46%, while signage and printing accounted for only about 4%.

According to the EEAA sustainable events pledge, of which ICC Sydney is a signatory, Scope 3 emissions from travel and accommodation are scheduled for inclusion in carbon footprint calculations by 2025. As such, a detailed assessment of scope three emissions of travel and accommodation have been excluded from the overall carbon footprint calculation. However, ANZCA implemented a carbon offset scheme to help reduce the scope three emissions associated with delegate travel, as well as the overall estimated footprint of the event.

Pre-event carbon reporting was used to determine a series of sensible carbon offset options for delegates. Partnering with Green Fleet, ANZCA successfully encouraged about 45% of delegates to opt in to purchase carbon credits with their event registration. Through this innovative program, the ANZCA event organisers successfully offset about 301.75 t CO₂e.

Subtracting this from the overall estimated carbon footprint of the event, this results in a final carbon footprint (excluding delegate travel) of:

Final Estimated Carbon Footprint of ANZCA ASM 2023 = -68 t CO₂-e

While this represents a total offset of the event, it is noted that this assessment does not take into consideration delegate travel, which may account for an additional 30-60% of carbon emissions, depending on distances travelled.

The pre-event carbon assessment identified opportunities to reduce carbon through addressing energy expenditure, and through the selection of lower carbon catering options.

To assist in reducing the energy expenditure of the event, and to be more financial efficient, organisers reduced the floor space by about 1600 m².

Upon request by ANZCA event organisers, ICC Sydney head chefs developed a custom sustainable menu for ANZCA ASM 2023 that featured fresh local produce, with an emphasis on lower-carbon options such as white meat, seafood, and vegetarian options. The team also implemented a 'meat free Monday' to further reduce carbon associated with food and beverage while educating event delegates on how to reduce their carbon footprint at home. The results of this strategy saw that about 82% of meals provided to delegates were lower carbon options. Lower carbon meals also comprised 94% of Waldron Smith and registration staff meals, and 93% of ANZCA and Wallfly staff meals. Additionally, 100% of wine served during the event was sourced from NSW vineyards, further reducing carbon associated with food miles. By developing a carbon conscious menu, ANZCA effectively worked to reduce the carbon footprint of the event.

Overall, the carbon footprint associated with the lower-carbon menu has been calculated at approximately 105 t CO₂e. Conversely, if ANZCA had opted to incorporate a less carbon-friendly, but typical catering approach of approximately 10% vegetarian, 40% red meat and 50% white meat/seafood meals, the carbon footprint associated with the event's food and beverage would have been approximately 168 t CO₂e. By adopting a lower-carbon approach to catering, ANZCA realised a saving of approximately 62 t CO₂e.

The table below summarises how the delivery of the carbon footprint action plan was implemented to reduce the overall carbon footprint of ANZCA ASM 2023.

Table 4: Delivery of the carbon footprint action plan

Event phase	Actions	Results	
Initial planning Understand the potential carbon footprint of the event prior to the event taking place, identifying opportunities to reduce the carbon footprint during the event planning stage	<ul style="list-style-type: none"> Identify any opportunities for additional or improved actions to reduce the footprint, to be included in the greenhouse gas and climate change action plan. 	<ul style="list-style-type: none"> During the initial planning stage, work was undertaken by the ANZCA event organisers in consultation with ICC Sydney to identify opportunities to reduce the carbon footprint of the event. The results of this review were implemented as part of the event, and are detailed below. 	✓
Pre-event Coordinate and establish actions for delivering on opportunities identified during initial planning	<ul style="list-style-type: none"> Collaborate with ICC Sydney to undertake a pre-event carbon footprint estimation to gain an understanding of the potential carbon impact of the event Provide delegates with separate carbon offset credit 	<ul style="list-style-type: none"> LED lighting was required by all event exhibitors in all exhibition stands All exhibitors to reduce custom stand elements and to opt for hired or reusable furniture Catering to be developed in consultation with ICC Sydney head chefs to design a custom low-carbon menu 	✓

	<p>purchase choices for travel, and event impact</p> <ul style="list-style-type: none"> Using the ICC Sydney sustainable events guide, plan sustainable operation strategies, including: requirements for exhibitor stalls to be more sustainable such as considering LED lighting and limiting single use or unnecessary promotional items and fliers Catering menu to consider and prioritise lower carbon food options No single use plastics to be used in any food service Plant-based highly compostable packaging and serving ware to be used where practical Encouraging delegates to use active transport (walking) or public transport to reduce emissions when travelling from accommodation to ICC Sydney Develop a sustainability and climate change communications strategy to inform and educate delegates 	<ul style="list-style-type: none"> Waste minimisation strategies as per section 2.3 developed for implementation. 	
<p>Delivery</p> <p>Deliver carbon reduction initiatives identified during the pre-event planning stage</p>	<ul style="list-style-type: none"> Energy efficient LED lighting and automatic shut-off / shut on motion provided in all meeting rooms Schedule shut down of air-conditioning and lighting at the end of each day, and for bump in / bump out where practicable Exhibitors requested to use efficient LED lighting in stands Encouraging delegates to utilise public and active transit Lower carbon meals to form at least 60% of event catering An interactive and informative webpage established that highlights key sustainability initiatives delivered by the event Waste minimisation strategies as per Section 5.2 	<ul style="list-style-type: none"> Lights in meeting rooms were turned off after hours (when not in use) Opportunities for air conditioning shut down periods were limited due to extended use of the event rooms for bump-in and bump-out. In addition, to maximise comfort for guests, air-conditioning was scheduled to commence at 6am and shut off at midnight. Opportunities could be sought in the future to prescribe optimum air-conditioning arrangements that consider both comfort and energy expenditure LED lighting was required by event exhibitors, Using LED lighting as opposed to standard canescent lighting represents an energy saving of up to 75% per bulb While scope three emissions have not been included in this assessment, the use of public transit results in a significantly lower carbon footprint when compared to journeys taken individually by car by an order of up to 45%. ICC Sydney is centrally located, allowing guests the option of walking or catching public transport. Recent studies conducted at ICC Sydney demonstrate that on average the vast majority (between 54% and 73%) of guests walk to ICC Sydney 	

		<ul style="list-style-type: none"> • Upon request from ANZCA event organisers, ICC Sydney head chefs developed a sustainable menu for the event that delivered lower carbon dishes that comprised vegetarian and white meat options as well as a 'meat free Monday'. This represented about 82% of meals for delegates, 94% for Waldron Smith and registration staff meals, and 93% for ANZCA and Wallfly staff meals – far exceeding the target across the board • In addition, 100% of wine served during the event was sourced from NSW vineyards. By developing a carbon conscious menu event organisers made a carbon saving of approximately 62 t (when compared to a menu that features 60% red meat, 30% white meat and 10% vegetarian or vegan) • Waste minimisation strategies as per Section 5.2 were implemented. 	
<p>Closure</p> <p>Understand the final carbon footprint of the event at completion to identify opportunities for future improvement</p>	<ul style="list-style-type: none"> • Undertake a post-event carbon footprint analysis 	<ul style="list-style-type: none"> • A post event carbon footprint analysis was completed for ANZCA ASM 2023 that estimates the event produced approximately -68t t CO2-e (excluding delegate travel and accommodation) 	
<p>Future</p> <p>Identify opportunities to improve carbon footprint results of future events</p>	<ul style="list-style-type: none"> • Review the post-event carbon footprint analysis to identify opportunities for future ANZCA events to aim for and achieve greater carbon reduction goals 	<ul style="list-style-type: none"> • The post event carbon footprint analysis was reviewed to identify future opportunities for improvement. This is presented in Section 6 	

5.2 Waste Management

As per the waste management action plan detailed in **Section 3.4**, a waste assessment was undertaken to estimate the overall waste footprint of the event.

According to the waste assessment, ANZCA ASM 2023 generated an estimated **total 2.45 t of waste**. Of that waste, the percentage breakdown per waste stream is provided in the chart below, demonstrating that ANZCA ASM 2023 achieved an overall waste diversion of approximately **62%**.

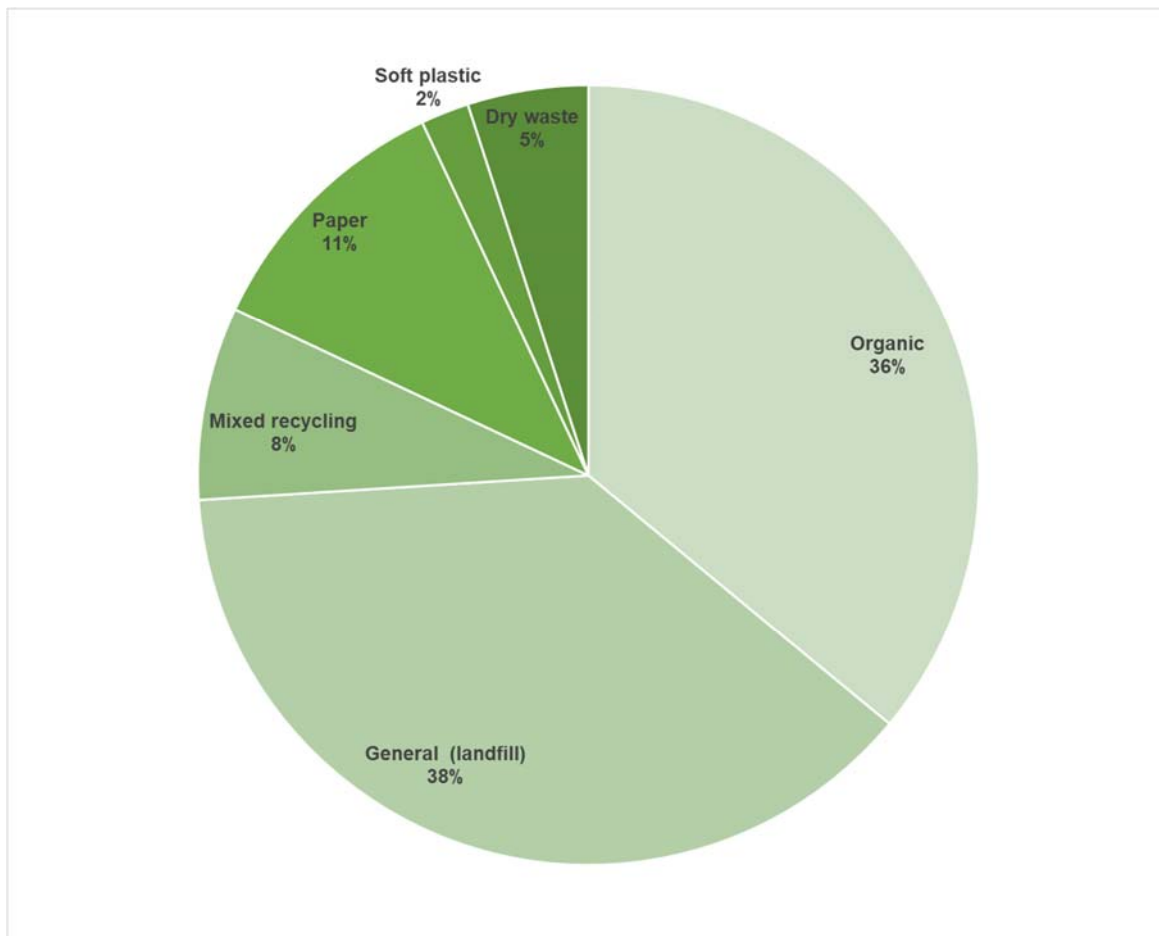


Figure 4: Waste analysis results for ANZCA AMS 2023

Avoidance of waste production is the most preferred action in the waste hierarchy, ANZCA event organisers undertook a number of steps to reduce the overall waste footprint, including:

- Establishing sustainability criteria for exhibitors and eliminating typical non-sustainable signage, including pull up banners resulted in a very low waste volume exiting the exhibition component of the event at only 780kg. Exhibition waste had a lower landfill diversion rate of 31.2%
- Providing water refill stations to reduce single use plastic water bottles. It is estimated this action saved up to 14,600 plastic water bottles. This calculation assumed a conservative 1 L water per person, per day (2 x 500mL bottles). Final delegate catering numbers used for this estimate were: Friday - 1600; Sat – 1700; Sun – 1700; Mon – 1300; Tues – 1000


- Providing reusable coffee cup washing station, which reported approximately 30% uptake with delegates who were using reusable cups
- Eliminating availability of single use and novelty promotional items
- Reducing printing, including printed programs
- Implementing biodegradable lanyards and implementing a bespoke waste stream, estimated to have diverted at least 1520 lanyards from landfill
- Limiting the amount of custom build elements, ensuring hire product was used where possible for production equipment and decor
- Ensuring that where possible, all packaging and wrapping was taken with suppliers offsite and reused.

The implementation of these waste minimisation strategies would have reduced the overall waste footprint of ANZCA ASM 2023. The table below summarises how the waste management action plan was delivered.

Table 5: Delivery of the Waste Management Action Plan

Event phase	Actions	Results	
Planning Understand the extent of potential waste generation prior to the event taking place, identifying types of waste and quantities to be produced. Identify opportunities to reduce waste during the event planning stage, and strategies to divert waste from landfill.	<ul style="list-style-type: none"> • Undertake a pre-event waste production analysis to understand the most likely sources of excessive waste • Identify any opportunities for additional or improved actions to reduce the generation of waste. 	<ul style="list-style-type: none"> • A pre-event waste production analysis was undertaken, the result of which are detailed below, including those identified opportunities for additional or improved actions to reduce the generation of waste. 	✓
Pre-event Coordinate and establish actions for delivering on opportunities identified during initial planning	<ul style="list-style-type: none"> • Designate required waste streams • Work with ICC Sydney to coordinate bin types, number, and placement to adequately accommodate waste streaming during the event • Source sustainable event supplies such as compostable lanyards • Seek opportunities for creative waste diversion of highly visible event elements and single use materials and investigate opportunities to minimise waste footprint • Communicate expectations regarding construction materials, size of stands and 	<ul style="list-style-type: none"> • Event organisers worked with ICC Sydney to specify the waste streams to be provided and to establish key waste collection areas to maximise accurate waste disposal into correct streams by delegates, exhibitors, and contractors • Opportunities to minimise waste footprint that were identified to be implemented during delivery are provided below • Ensured all exhibitors were aware of ANZCA's sustainability expectations through written communication prior to the event • Delegates to be informed and educated on event matters related to waste and sustainability through event communications and the ANZCA ASM 2023 suitability webpage 	✓

<p>Delivery Deliver waste reduction initiatives identified during the pre-event planning stage</p>	<p>reusability of furniture and promotional items</p> <ul style="list-style-type: none"> • Provision of refilling water stations, chilled refillable carafes at tables, and washing stations to reduce plastic bottles and consumption of unnecessary single use plastics • No single use plastics to be used in any food service • Activation of four standard waste streams – bins for the following waste streams to be placed at optimal locations to encourage appropriate waste collection and sorting: organics, paper and cardboard, mixed recycling, and general waste • Activation of one bespoke waste stream • Educating attendees regarding waste stream and contamination by providing appropriate signage • No single use plastics to be used in any food service. Plant-based highly compostable packaging and serving ware to be used where practical • Reduce waste associated with exhibition component of the event, including stands, signage and promotional items • Educate attendees regarding waste stream and contamination by providing appropriate digital signage 	<ul style="list-style-type: none"> • Refillable water was provided where possible, refillable water stations were also located within ICC Sydney foyers, greatly reducing the requirement for any bottled water • Food was served using reusable utensils, plates and glasses where possible, and in compostable packaging, eliminating single use plastic serving ware • Refillable cup washing station provided • Organic, paper and cardboard, mixed recycling, and general waste bins were provided for use and appropriate waste signage was provided to allow guests to find the right bin for their waste, to assist with waste diversion from landfill • Lanyards were made from compostable materials • To maximise the effectiveness of the compostable lanyards, a specific lanyard waste stream was provided to ensure lanyard waste was diverted from landfill • A minimal amount of food packaging was provided for event staff meals, this comprised primarily biodegradable packaging such as cardboard boxes and BioPak compostable products • All stands to avoid use of plastic construction materials, and soft plastics to be taken offsite and reused where possible • No single use promotional materials • Needs for excessive printed signage was removed by using digital signage • A ban on pull up banners was implemented • Printed materials were greatly reduced, including printed programs, menus and more • The overall amount of custom build elements was greatly reduced by ensuring hired or reusable furniture and equipment was used where possible • ICC Sydney provided appropriate waste stream signage (digital, permanent printed, and embroidered on reusable covers) at all waste collection points, educating delegates as to correct waste per bin 	
<p>Closure Understand the final waste footprint</p>	<ul style="list-style-type: none"> • Undertake a post-event waste analysis to determine final waste quantities per 	<ul style="list-style-type: none"> • A post-event waste analysis was undertaken, the results of which have been presented in this section 	

of the event at completion, determining if the target of 75% waste diversion from landfill is met	<ul style="list-style-type: none"> stream and overall diversion from landfill Calculate estimated uptake of cup washing stations Calculate estimated single use plastic water bottles saved, assuming that a minimum of two (2) water bottles conserved per delegate per day (conservatively assuming each person would consume 1L water per day) Calculate estimated waste avoidance by implementation of lanyard recycling 	<ul style="list-style-type: none"> Waste diversion from landfill has been estimated at 62%. An estimated 30% of attendees with a reusable cup used the washing station An estimated 14,600 single use plastic water bottles were saved from landfill through the provision of refillable water stations and cafes of clean water Assuming a conservative 80% return rate, it is estimated about 1520 lanyards were composted and diverted from landfill 	
Future Identify opportunities to improve waste footprint results of future events	<ul style="list-style-type: none"> Review the post-event waste footprint analysis to identify opportunities for future ANZCA events to aim for and achieve greater carbon reduction goals 	<ul style="list-style-type: none"> The post event carbon footprint analysis was reviewed to identify future opportunities for improvement. This is presented in Section 6.2 below. 	

5.3 Legacy Program

As per the action plan detailed in Section 3.5, ANZCA aimed to leave a positive Legacy impact through the delivery of ANZCA ASM 2023. The table below summarises how the delivery of the Legacy action plan was implemented to realise the goal of “*delivering an equitable event that supports First Nations communities, parents and carers, and people with a disability, while promoting sustainable medical and event practices; and demonstrate ANZCA’s culture of philanthropy, by leaving a lasting international legacy through the support of Lifebox Australia New Zealand, long-term charity partners of ANZCA*”.

5.3.1 Event Program with CSR in Mind

A key action in the Legacy action plan was to develop and deliver an event program that includes topical and thought provoking sustainability and diversity, equity and inclusion focused sessions to help leverage ANZCA’s platform to elevate these important topics, in line with ANZCA’s Position Statement on Environmental Sustainability in Anaesthesia and Pain Medicine Practice, and Statement on Climate Change.

During ANZCA ASM 2023, the following were delivered:

- FPM3 - Provision for inclusive and equitable care
 - Māori community-based solutions to address inequities in pain management - Dr Hemakumar Devan, NZ and Cheryl Davies, NZ
 - Managing pain in refugees and tortured peoples - Professor Amanda C de C Williams, UK
 - Considerations for pain management in transgender and gender-diverse groups - Jaxson Wearing, NSW
- CS09 Getting back to work after adverse life events
 - Returning to the workplace following an adverse life event (panel discussion) featured a number of stories about experiences from various perspectives. The panel comprised Dr Colin Baird, NZ, Dr Blair Munford, NSW, Dr Rob Thomas, NSW, Dr Charles Bradfield, NZ and Associate Professor Nicole Phillips, NSW
- **SA08 Celebrating women in STEMM breakfast**

- The importance of gender equity in the medical profession (panel; discussion). The panel comprised: Associate Professor Tara Roberts, NSW, Dr Rhea Liang, Qld, Dr Emily Wilcox, NSW and Dr Leinani Salamasina Aiono-Le-Tagaloa
- **CS26 ANZCA funded research**
 - What Aboriginal people in remote NT value during their operation journey - Dr Edith Waugh, NT
 - The MIDAS study (Measuring Disability After Surgery in older patients) - Dr Mark Shulman, Vic
- **CS30 Creating the future – the role of anaesthetists in advocacy for a better world**
 - A ‘how-to’ session with anaesthetists who have used their skills to influence or to add their voice to social change
 - Doctors living with a disability - Dr Tracey Tay, NSW
 - Clinician wellbeing in NZ - Dr Jo Sinclair, NZ
 - People experiencing domestic and family violence - Dr Ken Harrison, NSW
 - Accidental advocacy – the Medevac story and co-ordinating care for adults with intellectual disability - Associate Professor Nicole Phillips, NSW
- **CS13 ANZCA Environmental Sustainability Network (ESN)**
 - Big journeys begin with small steps Associate - Professor Kerstin Wyssusek, Qld
 - From reduce, reuse and recycle to research: Challenges and lessons from my journey - Dr George Zhong, NSW
 - A low carbon footprint paediatric anaesthetic – treading lightly on our patient’s futures - Associate Professor Justin Skowno, NSW
 - Healthcare’s carbon addiction: It’s time to quit - Dr Kate Charlesworth, NSW
- **CS18 Equality, diversity and inclusion in research and publishing**
 - Equality, diversity and inclusion in anaesthesia publishing – an editor’s viewpoint - Professor Andrew Klein, UK
 - Gender equality in academic career advancement in anaesthesia - Professor Idit Matot, Israel
 - Improving participant diversity in perioperative research 3we4- Professor Kate Leslie AO, Vic
- **CS33 ACCUTE SIG Australasian anaesthesia: Connecting globally**
 - The WFSA: connecting and empowering anaesthesiologists around the world - Dr Wayne Morriss, NZ
 - Health equity, health disparities, the social determinants of health and why Anaesthetists’s should care - Dr Elliot Wollner, VIC
 - Anaesthetists in the Pacific and the impact of COVID-19 - Dr Lisepa Tabaka, Fiji

outcomes of the Emerging Leaders Conference, Be Connected reusable scrub cap project and First Nations legacy impact are described below Number of sessions related to sustainability, and diversity, equity, and inclusion

5.3.2 Emerging Leaders Conference

A key action in the Legacy action plan was to invest in the next generation of industry professionals by targeting emerging leaders to participate as session co-chairs and by delivering an Emerging Leaders Conference.

ANZCA supports new fellows of anaesthesia and pain medicine in the development of a broad range of leadership skills such as communication, social and emotional intelligence and resilience through the Emerging Leaders Conference (ELC).

The ASM co-convenor linked in NSW emerging leader conference applicants with ASM concurrent session chairs to act as co-chairs for these sessions. The uptake was very successful and many lead chairs reported that it was a positive experience that enhanced both the session, and the Q&A with the panel.

5.3.3 Be Connected Reusable Scrub Caps

As part of the delivery of ANZCA ASM 2023, event organisers were aiming to leave a lasting international legacy that addresses a key challenge faced by the healthcare industry. One key challenge that was identified was one that aligns with ANZCA's Position Statement on Environmental Sustainability in Anaesthesia – to reduce waste.

Replacing disposable theatre hats with a washable cloth variety has been shown as a sustainable and economically viable alternative in many hospitals. Following a comprehensive literature search, and with input from several fellows, ANZCA has developed a LibGuide to support this statement and to help demonstrate the effectiveness of this simple action.

Delegates were given a reusable scrub cap and were encouraged to visit the ANZCA environmental sustainability page for some tips that might be useful in approaching their hospital to implement reusable scrub caps on their wards:

“The choice of scrub hat has not been demonstrated to have any impact on risk of surgical site infections and we therefore advocate that reusable, freshly laundered and lint free hats are embraced as one way we can reduce the impact of our practice. Please engage with your institutions if reusable scrub hats are currently not sanctioned for use, otherwise get shopping!”

5.3.4 First Nations




To help understand Legacy impact to First Nations communities, event activations were reviewed against the ICC Sydney Reconciliation Action Plan which is the framework through which ICC Sydney works to support Aboriginal and Torres Strait Islander people and the journey to Reconciliation.

Event organisers engaged ICC Sydney First Nations partners, Metro Local Aboriginal Land Council (MLALC) to deliver a Welcome to Country. Key Legacy outcomes that may be associated with the delivery of a Welcome to Country (as defined in the ICC Sydney Innovate Reconciliation Action Plan) include:

- Promoting Reconciliation to our sphere of influence
- Increasing understanding, value and recognition of First Nations cultures, histories, knowledge, and rights
- Demonstrating respect for First Nations cultures with event attendees
- Supporting First Nations businesses and organisations to support improved economic and social outcomes
- Creating opportunities that increase exposure to First Nations peoples, cultures and businesses.

The table below summarises how the overarching Legacy action plan was delivered.

Table 6: Delivery of the Legacy Action Plan

Event phase	Actions	Results	
Planning Review ICC Sydney's Legacy Programs offerings to identify opportunities to engage with First Nations community	Undertake a pre-event analysis to identify opportunities to: <ul style="list-style-type: none"> Engage with First Nations communities, parents and carers, and other underrepresented communities in event activities, including the event proceedings Promote and support ANZCA charity partners Align the event with ANZCA's Position Statement on Environmental Sustainability in Anaesthesia and Pain Medicine Practice" and the ANZCA Statement on Climate Change 	<ul style="list-style-type: none"> A pre-event Legacy analysis was undertaken, the result of which established the key actions delivered under Pre-Event and Delivery in this Legacy action plan 	
Pre event Coordinate and establish actions for delivering on opportunities identified during initial planning	<ul style="list-style-type: none"> Confirm Legacy streams to be activated as part of the event that align with the ANZCA sustainability, and diversity, equity and inclusion values Establish contact with relevant Legacy program partners to engage them in the event as required, including securing a culturally appropriate Welcome to Country Identify solutions to encourage participation by parents and carers Develop and deliver an event program that includes topical and thought provoking sustainability and diversity, equity and inclusion focused sessions Leave a lasting international legacy that addresses a key challenge faced by the healthcare industry 	<ul style="list-style-type: none"> The key Legacy areas that were identified to be activated included Environmental Sustainability, First Nations, and Generation Next. The event also aimed to positively impact women in STEMM, LGBTQIA+, and people with a disability MLALC was contacted to request a Welcome to Country Child care assistance was identified as key to encourage participation by parents and carers The event program thoughtfully curated 21 sessions that delivered sustainability, and diversity, equity and inclusion focussed topics ANZCA's reusable scrub cap project and support of Lifebox Australia New Zealand work to address international challenges faced by the healthcare industry 	
Delivery Deliver cultural representation initiatives identified during the pre-event planning stage	<ul style="list-style-type: none"> First Nations - Welcome to Country to be provided by MLALC A creche to be provided to allow parents and carers to attend and meaningfully participate in event proceedings The event program to include sessions that engage and educate delegates in sustainability and diversity, equity and inclusion topics, relevant to the industry Build further diversity, equity and inclusion into the event program by engaging speakers from a 	<ul style="list-style-type: none"> A Welcome to Country was provided by MLALC. A crèche was delivered during the event proceedings The event program delivered five sessions that focused on diversity, equity and inclusion matters. These are described in more detail above The event program targeted a diverse cross section of speakers A Women in STEMM breakfast was delivered Be Connected reusable scrub caps were provided to delegates 	

	<p>range of backgrounds and experiences, including speakers who identify as female, persons with a disability, LGBTQIA+, First Nations, as well as people from diverse cultures and nationalities</p> <ul style="list-style-type: none"> • Deliver a women in STEMM breakfast to support gender diversity in the industry and support women into future leadership roles • Communicate results of recent reusable scrub cap hygiene research and encourage delegates to influence their places of work to implement a reusable policy • Communicate key event sustainability initiatives to delegates to improve participation and overall environmental outcomes • Improve accessibility through the use of hearing loops • Invest in the next generation of industry professionals by targeting emerging leaders to participate as session co-chairs and by delivering an Emerging Leaders Conference and College Ceremony 	<p>to help raise awareness of the project and its increase its potential for positive environmental impact</p> <ul style="list-style-type: none"> • Detailed environmental sustainability education material highlighting sustainable features of the event and ICC Sydney was made available online on the ANZCA ASM 2023 website, and messaging regarding waste minimisation and carbon reduction activities were communicated to guest through the event • Hearing loop technology was activated where required to improve accessibility • Emerging Leaders Conference and College Ceremony were successfully delivered 	
<p>Closure Understand the final Legacy impact of the event at completion</p>	<ul style="list-style-type: none"> • Assess delivery of the actions defined in the Legacy action plan • Report crèche attendance • Report number of sessions related to sustainability, and diversity, equity, and inclusion • Report diversity of speakers and presenters • Estimate delegate engagement with cultural and sustainability experiences • Report support provided to Lifebox Australia New Zealand and other ANZCA supported charities • Report attendance at the ANZCA College Ceremony • Review the outcomes of the Emerging Leaders Conference • Report outcomes of reusable scrub caps project • Assess First Nations legacy impact against the ICC Sydney Reconciliation Action Plan 	<ul style="list-style-type: none"> • This table assesses the delivery of the actions defined in the Legacy action plan • Five (5) children per day (for the duration of the event) attended the crèche • 21 session topics were specifically curated to address matters related to sustainability, and diversity, equity, and inclusion (these are described in more detail below) • The gender breakdown of presenters was 44.4% female identifying. The program featured experts from international locations with diverse cultural and religious backgrounds as well as people who identify as LGBTQIA+, First Nations, and persons with a disability • About 30% of delegates who used reusable coffee cups washed their cups at the washing stations provided • Under ICC Sydney's Reconciliation Action Plan, the team aims to grow the First Nations Stream of its Legacy Program to positively influence 	

		<p>clients to drive reconciliation outcomes – each delegate who has been in attendance at an event that incorporates a First Nations Legacy activation such as a Welcome to Country or cultural performance is considered to represent one (1) cultural impression. ANZCA ASM 2023 resulted in an estimated 1700 cultural impressions</p> <ul style="list-style-type: none"> • A total of \$12,500 in charitable donations were made to ANZCA partner charities: \$10,000 to Lifebox Australia New Zealand; \$500 to The World Federation of Societies of Anaesthesiologists Fund-a-Colleague's Education Program; and \$2,000 to the Antarctic Science Foundation • 260 new fellows attended the ANZCA College Ceremony • The outcomes of the Emerging Leaders Conference, Be Connected reusable scrub cap project and First Nations legacy impact are described above 	
<p>Future Identify opportunities to improve First Nations representation at future events</p>	<ul style="list-style-type: none"> • Review the post-event reporting to identify opportunities for future ANZCA events to incorporate more Legacy focussed activities into the event schedule • Review the post-event reporting to identify opportunities for future ANZCA events to continue to deliver targeted and impactful Legacy initiatives. 	<ul style="list-style-type: none"> • This post event Legacy analysis was reviewed to identify future opportunities for improvement. This is presented in Section 6 below. 	

6 CONCLUSION AND RECOMMENDATIONS

6.1 Conclusion

Overall, the results of the Carbon, Waste and Legacy assessments presented above demonstrate that ANZCA ASM 2023 met the goals established at the outset of the event:

- Estimate the potential environment, social and economic impacts of the Australian and New Zealand College of Anaesthetists (ANZCA) Annual Scientific Meeting (ASM) 2023
- Highlight the mitigations measures, carbon offsetting, and Legacy initiatives that were identified during the planning and delivery stages to address the potential impacts of the event
- Measure and report on the environmental, social and economic outcomes of the ANZCA ASM 2023 to understand the overall impacts of the event, both positive and negative
- Assess and identify opportunities for future environment, sustainability, and social Legacy performance improvement, to help make a long-term difference and to build on the successes of the event
- Review how the ANZCA ASM 2023 aligned with the 2020 ANZCA Statement on Climate Change, including supporting actions described in the supplementary “Sustainability at ANZCA Events”
- Raise awareness about sustainability and improve sustainability and social Legacy knowledge and skills across the industry.

Key conclusions are as follows:

- Overall, the carbon footprint of ANZCA ASM 2023 was estimated at approximately **-68 t CO₂-e**
- The development of a custom sustainable catering menu helped to reduce carbon expenditure by approximately **168 t CO₂e**
- ANZCA successfully encouraged about 45% of delegates to opt in to purchase carbon credits with their event registration. Through this innovative program, the ANZCA event organisers successfully offset about 301.75 t CO₂e
- Waste diversion from landfill was estimated at approximately **62%**, with a relatively small waste production of about **2.54 t**
- To assist in reducing the energy expenditure of the event, and to be more financial efficient, organisers reduced the floor space of the event by about 1600 m².
- An estimated 14,600 single use plastic water bottles were saved from landfill through the provision of refillable water stations and carafes of clean water
- The event program thoughtfully curated 21 sessions that delivered sustainability, and diversity, equity and inclusion focussed topics
- A total of \$12,500 in charitable donations were made to ANZCA partner charities: \$10,000 to Lifebox Australia New Zealand; \$500 to The World Federation of Societies of Anaesthesiologists Fund-a-Colleague’s Education Program; and \$2,000 to the Antarctic Science Foundation
- Event organisers engaged ICC Sydney First Nations partners MLALC to deliver a Welcome to Country. Key Legacy outcomes that may be associated with this include:
 - Promoting Reconciliation to our sphere of influence

- Increasing understanding, value and recognition of First Nations cultures, histories, knowledge, and rights
- Demonstrating respect for First Nations cultures with event attendees
- Supporting First Nations businesses and organisations to support improved economic and social outcomes
- Creating opportunities that increase exposure to First Nations peoples, cultures and businesses.

6.2 Recommendations

As demonstrated throughout this report, the integration of highly sustainable event practices in the delivery of ANZCA ASM 2023 successfully delivered reduced a carbon footprint and reduced waste outcomes, while also leaving a positive Legacy impact. Given the success of these initiatives, it is recommended that opportunities should be sought to continue, or build on the following actions:

- Designing highly sustainable event décor
- Preferring hire and re-use options where practical
- Engaging with the local First Nations community and incorporating opportunities to promote First Nations businesses as part of the event
- Providing cultural experiences aimed to foster inclusion of the First Nations community, and to support the journey toward reconciliation
- Continuing to seek custom low carbon catering menus
- Continued and expanded bans on single use plastics, promotional materials, and signage
- Continued and expanded bans on non-recyclable and non-compostable coffee cups and plastic water bottles
- Building on carbon offsetting partnership and options
- Providing additional waste streams and delegate education to further improve overall waste diversion from landfill.

To further build upon the CSR successes of ANZCA ASM 2023, the following opportunities could be sought for future ANZCA events:

- Developing guidelines for highly sustainable exhibitor stands
- Intelligent planning of power shutdowns (lighting, air-conditioning and AV equipment) where practical to reduce overall energy expenditure
- Investigating and requesting more efficient air conditioning temperatures for the season (for example between 21-22C during winter)
- Setting higher targets for First Nations engagement including attendees, performers, and exhibitors
- Set a target for First Nations spend, seeking opportunities to partner with Aboriginal and Torres Strait Islander owned and managed businesses
- Targeting a new long-term legacy project to build on the success of the Be Connected scrub cap project
- Engaging with ICC Sydney's Legacy program to seek opportunities to engage the innovators and entrepreneurs' stream, to bring the next generation of sustainability leaders to the conversation.