

GREENHOUSE GAS EMISSIONS MANAGEMENT AT ADELAIDE CONVENTION CENTRE



Australia's climate has warmed by an average of 1.47°C since national records began in 1910¹. Warming is a direct result of human activities on earth², leading to an increase in the severity, frequency and duration of extreme weather events and associated economic and societal costs.

Adelaide Convention Centre recognises and supports the South Australian Parliament May 2022 declaration of a climate emergency, and is proactively implementing actions to reduce Greenhouse Gas (GHG) emissions through a range of initiatives, including utilising data to inform business decisions, energy management, waste segregation and diversion from landfill, along with sustainable sourcing of goods and services.

For 15 years, Adelaide Convention Centre has committed to EarthCheck, ensuring our environmental and social sustainability practices are not only meeting but exceeding national standards. In 2022/23 our EarthCheck recorded Scope 1 and 2 GHG emissions were 72% lower than the Asia Pacific average, and more significantly, 60% lower than the next best competitor in the Asia Pacific region.

We are committed to avoiding and reducing energy consumption, waste generation and GHG emissions.

ENERGY MANAGEMENT

Adelaide Convention Centre is dedicated to eliminating and reducing energy consumption in our own operations, where feasible. Since 2018, our energy consumption has reduced more than 40%, from 886 megajoules/square metre in 2018 to 525.3 megajoules/square metre in 2022.

This has been achieved through a variety of activities, including a staged transition to LED lighting, which has reduced energy consumption of lighting across event, staff, foyer, kitchen, car parking and toilet areas. Our lighting across the venue is now 70% LED, with a target to achieve 100% LED lighting by 2027.

We have also invested in energy efficient infrastructure, ensuring the inclusion of energy efficiency as a key criteria for all high-energy demand appliances and infrastructure. Supporting a reduction in energy usage is the installation of sensor lighting in staff offices and toilets. A building management system allows for the tailored compartmentalisation of event space lighting and air-conditioning, reducing the use of unnecessary lighting and air-conditioning.

We recognise that we can and must do more to reduce our energy consumption and minimise our reliance on fossil fuels. Our sustainability strategy targets a phase out of natural gas (methane) appliances and infrastructure, and increased investment in energy reduction technology and staff training. An on-site electricity generation feasibility assessment is scheduled for 2024.



Pictured: LED lighting in use at an Adelaide Convention Centre event

¹Bureau of Meteorology, State of the Climate 2022

²Intergovernmental Panel on Climate Change, The Physical Science Basis

WASTE RESOURCE MANAGEMENT

More than 99% of our waste is diverted from landfill. Organic matter sent to landfill produces methane, a greenhouse gas with a global warming potential 12 times more potent than carbon dioxide. Rerouting organic waste to Jeffries, our commercial organic composting partner, ensures organics are diverted from landfill, avoiding more than 617 tonnes of carbon dioxide equivalent (t CO₂-e) from entering the earth's atmosphere in 2022/23 alone. Additionally, investing in Adelaide's first WasteMaster, an on-site organics processing unit, has ensured we can now process certain types of organics on site, reducing the need to transport organic waste from Adelaide Convention Centre to Jeffries, and in turn, minimising transport GHG emissions.

SOURCING SUPPLIERS OF LOCAL GOODS AND SERVICES

At least 95% of our procured goods and services are sourced from South Australian-based businesses. This not only guarantees we are supporting the local economy and creating economic impact, but also ensures that many of the goods and services we procure have reduced mileage and transport GHG emissions.

ADVANTAGE SOUTH AUSTRALIA

We benefit from hosting events in a state that has the highest diversion from landfill rate and the greatest uptake of renewable energy in mainland Australia, and are located in the City of Adelaide, the world's first Carbon Neutral city.

For every kilowatt of mains supply electricity consumed in South Australia, Adelaide Convention Centre is generating less than a third of the GHG emissions produced by users of mains supply electricity in Victoria, and 35% of the GHG emissions produced by mains supply electricity consumers in Queensland, New South Wales and the Australian Capital Territory³.

By choosing Adelaide Convention Centre, you are choosing South Australia, the state generating 100% net renewable electricity for more than 180 days per year⁴.

FUTURE COMMITMENTS

We know that for most organisations, at least 80% of GHG emissions are associated with procured goods and services. That's why, in 2023, we have committed to calculating and disclosing our Scope 1, 2 and 3 emissions and developing a dedicated emissions reduction plan to drive down GHG emissions across the organisation.

We need to understand all our operational GHG emissions in order to design strategic actions to reduce our footprint, targeting high emitting practices and infrastructure.

The emissions reduction plan will target energy generation and reduction, sustainable transport, circular economy, and sustainable and ethical procurement to reduce our GHG emissions footprint.

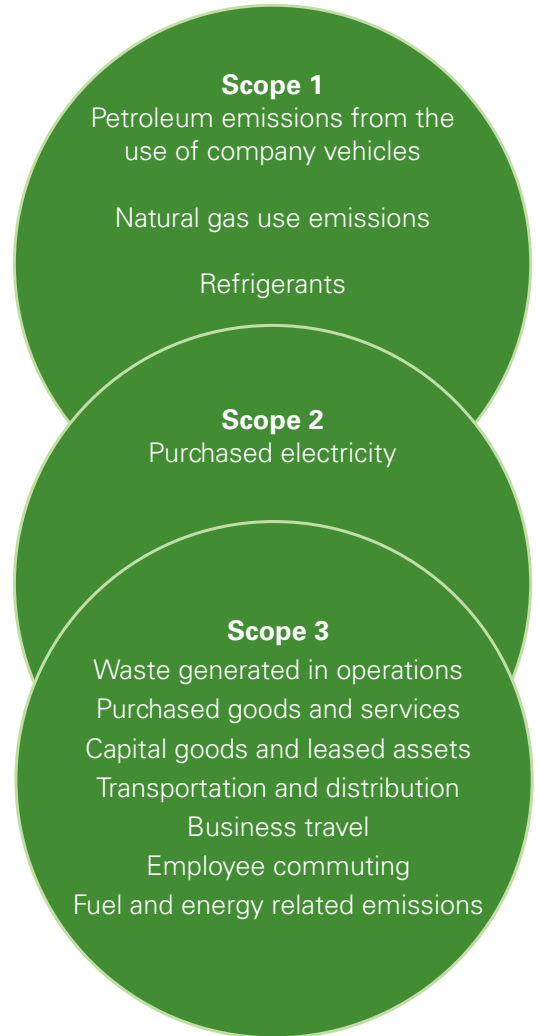


Diagram: Scope 1, 2 & 3 emissions at Adelaide Convention Centre

³Calculated utilising the Australian Government published National Greenhouse Account Factors, February 2023, Scope 2 emissions from consumption of purchased electricity from a grid.

⁴Government of South Australia, Department of Energy and Mining