

ROYAL AGRICULTURAL & HORTICULTURAL SOCIETY OF SA INC



ENVIRONMENTAL MANAGEMENT STRATEGY 2018 – 2019

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ENVIRONMENTAL MANAGEMENT STRATEGY

1. Introduction

The Adelaide Showground, a venue that accommodates more than 1.2 million visitors annually, has always held environmental sustainability as a priority. The Royal Agricultural & Horticultural Society of SA (Society) recognises that it is our social responsibility to create and implement sound environmental principles throughout the organisation and we are committed to manage the Showground and all events and functions to ensure strict environmental criteria are met. We strive to undertake our business in a way that is responsible to the Earth's environment, protective of its natural resources and protective of employee, contractor and public health and safety.

2. Background

The Society manages environmental matters associated with its business activities in accordance with current legislation and regulatory and statutory requirements. We aim to reduce the adverse impact of the Showground's activities on the environment through discussion and promotion of initiatives and continued monitoring and documentation.

To ensure that our environmental management objectives are met, the Society has established an Environmental Committee consisting of managers and staff members representing all business divisions (Adelaide Showground, Royal Adelaide Show/Wine Show, Rural Services and Corporate) and onsite contractors (Cleaning and Catering).

The Committee has developed this Environmental Management Strategy to provide direction for managers and staff in delivering the objectives of the Environmental Policy. It provides a structured approach to planning and implementing environment protection measures.

The purpose of the Environmental Management Strategy in the long term is to set targets which enable Society to measure progress towards objectives and to assist in identifying actions that will help achieve the adopted targets. Once current base data was identified, the Environmental Management Strategy set targets which focus on a five-year timeframe and is reviewed every year to ensure the appropriateness and currency of the targets.

The Environmental Committee oversees the implementation of the Environmental Management Strategy, monitors emerging legislation and issues, and communicates with the Work, Health & Safety Committee.

Consultation in the preparation and review of the plan includes seeking feedback from relevant stakeholders and staff regarding the most important issues facing the Showground. Identified environmental issues have been included in the document. This systematic approach to processes ensures that employees and other stakeholders are involved in the business and are aware of environmental impacts before they become much larger problems.

3. WH&S Environmental Strategy

Our Organisation

The Adelaide Showground, a venue that accommodates more than 1.2 million visitors annually, has always held environmental sustainability as a priority. The Society recognises that it is our social responsibility to create and implement sound environmental principles throughout the organization and we are committed to manage the Showground and all events and functions to ensure strict environmental criteria are met.

Our Environmental Principles

The Society will:

- Conserve energy.
- Conserve water resources and minimise wastewater disposal.
- Minimise and, where possible, eliminate the use of harmful substances.
- Ensure the correct and safe disposal of all substances.
- Minimise waste generation through monitoring, reduction, reuse and recycling.
- Minimise pollution.
- Address environmental concerns in all planning and landscaping decisions.
- Encourage purchasing procedures that adhere to the principles of the environmental policy.
- Aim to execute environmental audits and endeavour to maintain and improve facilities.
- Comply with all Australian environmental legislation.
- Adopt alternative technologies and materials that minimise the damage to the Earth's environment.
- Encourage waste recycling initiatives with our event organisers.
- Include sustainability initiatives into any new developments and upgrades at the Showground.

Staff and Management Responsibilities

The Society will:

- Ensure that our activities are conducted in accordance with this strategy.
- Foster a culture of environmental responsibility at work by reducing consumption of water and natural resources.
- Reuse and recycle resources, where possible, to minimise waste-to-landfill and further reduce our impact on the environment.
- Limit our greenhouse gas emissions by minimising energy use in our offices and making environmentally responsible travel decisions.

Work, Health & Safety Environmental Policy

Please refer to our Work, Health & Safety Environmental Policy 527. Policy 527 was reviewed in 2017, and is not set to be reviewed again until February 2020.

Environmental Committee as at March 2018

Julie Quimby	<i>Chair</i> , Volunteer & Public Gifting Manager
Charlie Aykroyd	Australia Green Clean representative
Kerstin Freund	Executive Assistant
Jason Hemingway	Venue Manager
Cameron Hills	Breed Society Supervisor
Emma Jarvis	O'Brien Group Australia representative
Michelle Lawson	Business Development Manager
John LePlastrier	Chief Operating Officer
Dave Thomas	Showground Staff

4. Environmental Objectives

4.1. Corporate Environmental Sustainability

4.1.1. Energy Management

Objective: To reduce energy consumption across the organisation

The Society has undertaken numerous initiatives to reduce our energy consumption.

When planning, developing and designing new facilities, we make every effort to include environmentally sustainable features. One of our major projects has been the construction of the Goyder Pavilion which was made possible with the support of a \$35 million grant from the Federal Government.

Energy saving initiatives included in this project were:

- High efficiency 'green' fluorescent lighting in the main hall (Goyder Pavilion/Duncan Gallery won a lighting Award of Excellence in the Illuminating Engineering Society of Australia and New Zealand (IESANZ) state finals in 2010 and a National Award in Sydney in 2011)
- Sky lights in toilets and gallery areas, reducing reliance on artificial lighting.
- Passive relief air paths which can operate in natural ventilation mode.
- High efficiency electric motors within evaporate cooling units.
- Movement sensors in toilets to control lighting and ventilation, minimising energy wastage when toilets are not in use.
- Installation of blinds to all glazed areas to reduce glare and direct sun penetration.
- Minimal glazing in façade resulting in reduced heat loads.

Another initiative was the installation of 12,000 square meters of rooftop solar panels with the support of State Government committing \$8 million. The project was completed in August 2009 and was opened at the 2009 Royal Adelaide Show by Premier Mike Rann. Upon installation, it was one of the largest rooftop photovoltaic installations in Australia and generates 1,400 mega-watt-hours (MWh) of solar electricity each year – the equivalent of powering 250 South Australian homes – and provides 20% of the entire Showground's power needs. This saves around 1,400 tonnes of greenhouse gas emissions each year. As of February 2010, the Adelaide Showground qualifies as an official solar power station as it generates in excess of 1 MW power each year. The energy generated is used to power lights, air-conditioning units and other appliances in the Showground's pavilions. When excess power is produced it is exported back into the main electricity grid and used by surrounding homes and businesses.

The power station has generated approximately 10 MWH of solar power since its inception (as at March 2018). In 2017 the Society exported (sold) approximately 100KWH of this generated power to the grid through energy retailers, with the remainder being consumed directly on the Showground. The Society has earned 8669 Large Generation Certificates (LCG) from inception to December 2017. One LGC represents one megawatt hour (MWh) of net renewable energy generated by the accredited power station. They have a value; they can be sold and traded.

The Society has also installed a windmill which pumps stored water to a header tank, which is then used to fill water tanks for tree watering.

Other initiatives include the use of computer-controlled air conditioning and energy saving light bulbs through the installation of fluorescent tubes and recyclable LEDs.

In late 2017 the Adelaide Showground audited the Ridley Pavilion for the replacement of the 400W Metal Halide Lights with 250W LED lights. This proposal was accepted and \$20,000 has been approved to replace the existing light fittings. The Adelaide Showground will again audit the Jubilee Pavilion and assess the benefits of changing the pavilion lighting to 250W LED lighting. Pricing, reliability and light output (lux) has improved significantly, we will continue to monitor LED Technology with the aim of replacing current light fittings with LED lights.

In 2018 the Adelaide Showground will be installing new LED lighting to the Main Arena light towers. The new light fittings will ensure an increased LUX level on the main arena is produced

from half the power requirement of the current fittings while providing all the benefits of new LED technology.

The Society currently uses a broker to manage the electricity procurement contract. A new contract was signed at the end of 2017. Given the volatility in pricing it was the recommendation of the broker to only lock in 2 years of rates as there is an expectation that SA power rates must come back into line with eastern states rates. The market has risen by over 200% since the last contract. In 2017, Society implemented many energy saving initiatives in preparation for increased power rates in 2018.

Key focus

- Continue to establish a data base of power used and generated which will allow us to set reasonable targets
- Acquire and install additional solar panels as building projects at the Showground present arise based on a sound business case for investment.

Key Actions for 2018

- Investigate tenancies and their energy consumption and continue monitoring the usage in areas – e.g. O'Brien Group Australia Kitchen, phone towers and Adelaide Farmers Market.
- Continue to connect existing and new metering of buildings to the Building Management Strategy (BMS). This will enable power usage to be tracked per event over set times.
- Monitor electricity and gas usage and realise efficiencies where possible.
- Continued staged replacement of regular 'high intensity sodium' street lighting with LED street lights.
- Look to install LED lighting in external carpark's reducing power usage in all carparks with improved visibility.
- Investigate improvements that can be made to the existing solar system to ensure we are getting maximum energy production.
- Installation of LED lighting to the Main Arena, significantly reducing the energy use during the Royal Adelaide Show.

4.1.2. Waste Management

Objective: To reduce waste across all operations of our business

The Society's Environmental Management Strategy commits us to use resources efficiently and to minimise waste generation through reduction, reuse and recycling. Waste is managed in line with the Environment Protection Authority (EPA) requirements, with 97% being recycled or reclaimed.

Australian Green Clean (AGC) with the support of the Society, continues to look at initiatives in waste recycling. AGC was the 2016 Telstra South Australian Business of the Year and is experienced in providing environmentally sustainable waste management solutions – not just cleaning services. They will continue to collaborate with Suez, our waste management provider, to drive sustainable initiatives onsite. See **Appendix 1** for a list of current AGC/Society joint initiatives. The Society thank AGC for their contribution.

During the 2017 Royal Adelaide Show, there was:

- An overall decrease of 13 tonnes of waste
- An increase of 1.5 tonnes of recycled cardboard
- A decrease of 5 tonnes of manure
- Organic collection remained steady

Overall 713 of the 865 tonnes of waste collected throughout the 10 day Show was either composted or recycled. This represents a conversion rate of 83% recycled waste (an increase of 2% from 2016).

Ten waste collection points which included paper/cardboard recycling, plastics recycling and organics collection were in place for 2017. Five of these locations were available to exhibitors

within commercial pavilions. Six waste areas were also placed adjacent, or included within, catering areas for the collection of organics waste. Additional organic and paper/cardboard bins were provided by SUEZ during the 2017 Royal Adelaide Show. Organic food waste collection was introduced via 660 litre bins in 2013 throughout specific catering areas. An additional eight organic bins were also provided for the Citrus Board stand and Horticulture areas in the Goyder Pavilion. A slight adjustment was made to the Front End Loader system with ten 6 metre and ten 4.5 metre FEL bins were introduced into Royal Adelaide Show operations.

Initiatives which run throughout the year include recycling of materials, i.e. cardboard, cans/bottle, print toners, organic waste and composting of green waste. To facilitate this, recycling containers are located throughout the Showground and recycling bins in every office and kitchen. In 2014, the Society implemented organic bins in all staff kitchens. A carpet tile maintenance program commenced in March 2017 with old/damaged carpet tiles recycled or diverted to alternative fuels by SUEZ.

The Adelaide Showground waste collection system for the move in and out phases of events has consistently produced a high level of recycling. To encourage diversion from landfill, recycling is charged at half the rate of general waste by the waste companies. This is made possible as waste companies, like SUEZ, process recycled waste as an alternative fuel they then on-sell.

NOTE: A fixed cost for 2018 waste disposal was negotiated with SUEZ, therefore the Society will not be economically impacted by the current Chinese ban on imported recyclable plastics.

Large, mobile 4.5m general waste and paper/cardboard bins are placed throughout event move in and out areas to remove bulk waste from the floor of the event. An additional Soft Plastics (plastic wrap / strap) bale has been incorporated with the paper and cardboard bins to include these products with the recyclables. The Venue team will investigate a 40-foot cardboard compactor with the aim to increase cardboard recycling and economic value.

Waste management details and the venues' Environmental Policy are included in the 2018 edition of the Adelaide Showground Event Handbook.

We continue to have issues with the Adelaide Farmers Market multi bin system. This will be revised with the assistance of AGC to reduce contamination in bins and continuing issues with the use of bin bags within these types of bins.

AGC assisted with the introduction of a multi-bin system for World Environment Fair and Bowerbird in 2017 and we will be introducing a multi bin system for all public during events in the second half of 2018. The aim is to increase the amount of waste currently being recycled during the public event phase of an event, not just the move in and out stage. The multi bin system includes general waste, cans, bottles, cartons, organic food waste and compostables (bio-material containers/cutlery etc.). Although organic bins were introduced to kitchen and café outlets throughout the venue to also include the Boardroom kitchen, Members and Ridley kitchens, and the Goyder café, unfortunately these were not maintained and are no longer in place. The Showground will look to reinstall these in 2018.

The installation of hand dryers, as substitution of paper towel throughout most venue toilets has led to a reduction in the high level of paper waste. This initiative has also led to cost savings in paper towel requisites and has allowed the cleaning staff more time in performing cleaning duties rather than restocking towel canisters, emptying full bins (which are contaminated and must be sent to land fill) and cleaning where patrons dispose of paper towels.

Public system:

- 240 litre dry general waste bins – to divert waste from landfill to alternative fuels. Smaller bins also included to educate public to dispose of waste responsibly across the multi-bin system.
- 240 litre organic bin – all food waste, bio-material containers / cutlery, paper and some cardboard containers.
- 240 litre 10cent recyclable bins – all plastic recyclable containers, glass bottles and cans.

Note: Further discussion will be undertaken with AGC to swap the 140L general waste bins and the 240L organic bins to assist with current issues of correct waste sorting at the Adelaide Farmers Market. A revamp of signage will also occur with assistance from AGC regarding all bins for public use.

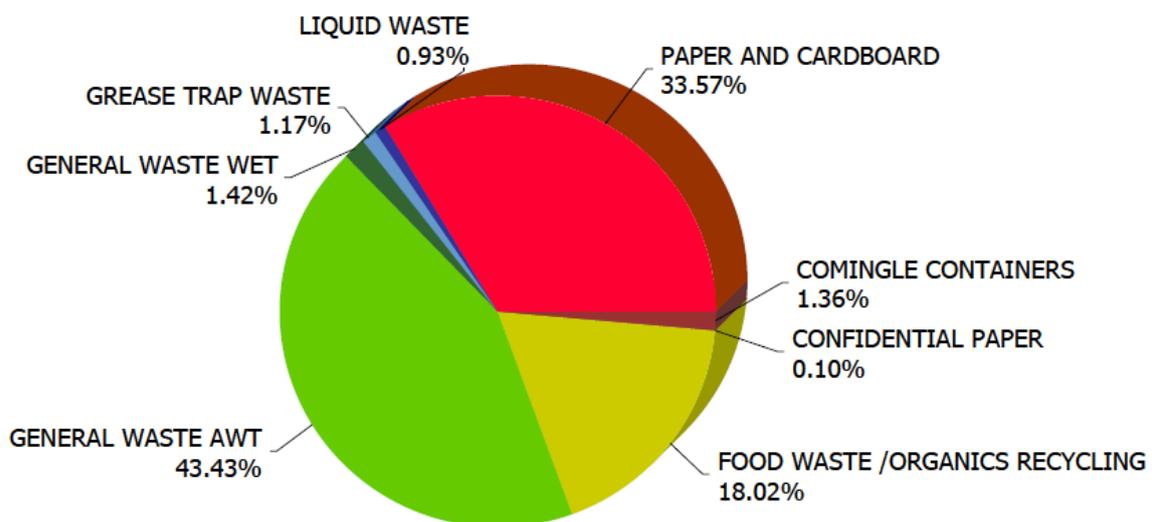
Exhibitor system:

- 4.5 metre skip and 660 litre bin for paper & cardboard.
- 660 litre bins for co-mingle waste.
- 600 litre bins for organic waste.
- 1100 litre bins for dry general waste.
- Use of a plastics only bale for wraps and bags to capture soft plastics not otherwise recyclable.

SUEZ have adjusted prices for the large 4.5m bins that are specifically used during the move in and out phases of the event. Price adjustments are specifically aimed towards reducing general waste and targeting recycling. This is an example of an external partnership achieving a joint sustainability objective.

As a key implementation in 2017, some events with excessive waste are now charged removal fees for waste. The aim is to encourage the reduction of future waste. Event waste will continue to be monitored over the next 5 years to establish if these financial measures translate into a result of waste reduction.

The venue waste collection, as illustrated below, demonstrates a 98.5% diversion from landfill rate for the Showground site (based on 13 month collection through to February 2018).



PERCENTAGE OF TOTAL WASTE - Actual Volume (m3)

This waste collection can differ dramatically depending on number, size and types of events onsite e.g. large scale events such as Caravan & Camping can return as high as 50% paper & cardboard recycling in a month.

Five months of 2016 recorded an average paper/cardboard recycling of 120m3. In 2017, this same average was reported for seven months meaning volume increased slightly. However, food waste and organics collection saw an overall reduction in 2017 with an above average collection of 80m3 across only four months, compared with eight months in 2016.

To reduce paper waste, a printing policy has been established. Staff are encouraged, whenever possible, to print double sided, use recycled paper and print in black & white only. Printer

cartridges are recycled, and we donate old equipment (where possible) to charities. All brochures and floor plans are available online, and quotes, invoices, statements and pay slips are sent via email.

Since the introduction of the exhibitor waste collection system mid-2013, the collection of all paper/cardboard products has closely tracked alongside the collection of dry general waste. This highlights the success of the program as a significant amount of this paper/cardboard waste would have previously been disposed with the dry general waste.

The Society also recognises its responsibilities under the Work, Health & Safety Act 2012 and takes all reasonable steps to manage the storage and use of hazardous substances. Routine operations at the Adelaide Showground necessitate the storage and use of several different substances - many of which are classed as Hazardous Substances.

Key focus

- Establish data base of waste generated and recycled to allow us to set reasonable targets for improvement.
- Encourage staff to reduce their printing by a further 10% per annum.
- Develop, implement and monitor cost effective waste management and recycling initiatives to decrease waste to landfill.
- Track waste produced by event organisers and exhibitors and communicate figures to them to increase awareness.

Key actions for 2018

- Continue refinement of the waste collection process with Adelaide Farmers Market staff and exhibitors to further reduce contamination of recyclable materials in Adelaide Farmer Markets bins.
- Roll out refined bin system for public use during Showground events.
- Extend use of "Plastics Only" bales throughout events.
- Improve staff and tenants' awareness of organic waste collection throughout office and lunchroom areas.
- Further education for exhibitors and caterers regarding waste recycling and implemented bin system.
- Introduction of large green waste bins for disposal of all site 'green waste' similar to how event bulk waste is currently managed.
- Additional planning and coordination with waste management contractor AGC to ensure efficiency in waste and recycling collection to maximise recycle conversion rate during the Show.
- Continue to implement paper reduction strategies including on-line entries, tablets for use by Event Staff and installation of a Document Management System to reduce paper invoices and time sheets.
- Work actively to reduce postage and printing stocks such as envelopes etc.
- Continue to increase the yearly average of recycled material and reduce the amount to landfill.
- Provide 660L bins in the Taste SA hoeccker for the 2018 Royal Adelaide Show to ensure all bottles from the Cellar Door and wine exhibitors are recycled and cardboard from exhibitors is in dedicated bins as exhibitors are currently placing cardboard in the public general waste bins. This initiative is a result from discussions with the Agribusiness Committee.

4.1.3. Water Management

Objective: To reduce water consumption across the Showground

The Society is committed to use water resources in a way that meets industry, community and Government expectations. To fulfil this objective, several major water conservation projects have been initiated.

When constructing the Goyder Pavilion and the associated plazas, the Society installed a 3.5-million litre underground water storage tank which supplies over 20% of the water requirements for the 26 hectare Showground site. The water captured in the tanks is used for irrigation, toilet flushing and water features associated with the new building. The roof catchment area for the tank is 17,500 sqm. Assuming average annual rainfall for Adelaide, the catchment will yield approximately 10,000,000L per annum which would have otherwise been directed to storm water via Keswick Creek and discharged out to sea. Moreover, water captured from the Dairy Pavilion roof is injected, under gravity from tanks, into the local aquifer. This reduces the amount necessary for irrigation, and means that water can be extracted in summer with little evaporation. Testing has occurred on our bore system to manage its use and ensure we can maximise its use during the year.

Other initiatives include all toilets fitted with dual flush systems, regular maintenance to prevent leaking taps and toilet cisterns and the use of biodegradable cleaning products. As part of the North-West carpark development the Society committed to expanding the use of the current 3.5million litre water storage in the Jubilee Plaza. All new plantings and turf areas in the North-West carpark have been irrigated with rainwater. The new toilet facility in the South-East corner of the carpark is using rainwater for flushing of toilets. The rainwater piping system was expanded to our western boundary as part of the project with temporary tap connections for temporary toilets located next to the Thomas Edmond building.

As a result from these measures, the water usage has remained steady over the past three years. Unfortunately, due to the dry summer period and increased area the rain water tanks cover the tanks ran out of water in early January 2018. The Society is currently using mains water and bore water to supplement the requirements until rain refills the tanks.

Our contracted cleaning company, AGC is a Quality Endorsed Company and their systems qualify within the following ISO Systems:

- Environmental Management System ISO 14001
- Health & Safety Management System ISO 4801
- Quality Management System ISO 9001

Hiring of linen is also done with a focus on the environment; Ensign (linen contractor) is committed to promoting safe environmental work practices and products. A major emphasis of these initiatives is reducing water usage and waste.

The Society is now registered with SA Water as an organisation interested in *smart metering* and is taking part in desktop trials of smart metering systems. A quote has been provided by SA Water for the installation of smart meters and the Society will look to install these in the second half of 2018.

Key focus

- Increase water storage and use whenever opportunities arise including increased aquifer recharge
- Completion of the Society's Water Master Plan.
- Continue to develop a Water Efficient Progress Plan (WEPP) in conjunction with SA Water
- Reduce water usage where possible
- Installation of metering to better understand event water usage

Key actions for 2018

- Continue developing Showground's Water Master Plan
- Continue to investigate technological solutions for irrigation including new sprinklers
- Investigate water use for Main Arena events
- Investigate small rainwater systems through outer zones not covered by rainwater system
- Install a weather monitoring system to accurately monitor water use based on future weather patterns thereby minimising over or under watering turf.

4.2. Greening the Showground

Objective: create welcoming, green space without compromising water conservation

We pride ourselves on keeping the Adelaide Showground a welcoming, green space without compromising water conservation. Current initiatives include:

- An aquifer improvement trial has reduced mains water requirements, while water stored in our underground tanks can also be used for irrigation.
- Planted native species which require less irrigation.
- Minimised water usage through hydro-soils and subsurface irrigation.
- Installed root cells on all trees to help improve water retention and subsurface aeration.
- Purchased 23 mobile planter boxes as part of the North-West carpark development, these have been planted with a variety of trees and flowers, including natives. This brings the total number of planter boxes to 70.
- Planting of 93 trees to the North-West carpark will turn what was once a barren space into an oasis of green.
- Extra 1000sq metres of turf in the North-West carpark replacing hard surfaces.
- Addition garden beds along our North fence line covering over barren walls.

Key focus

- Development of North-West car park including landscaping in line with Society's Master Plan.
- Consideration of roof top gardens or green walls in conjunction with any new developments.
- Include the Society's Horticulture Committee expertise in planning major planting's.
- Maximise landscaping as a venue asset through staged enhancement of established areas.

Key actions for 2018

- Continue evolving Showground's Water Master Plan.
- Continue to investigate technological solutions for irrigation including new sprinklers and controls.
- Investigate water use for Main Arena Events.

4.3. Encouraging Public and People-Powered Transport

Objective: Encourage staff and patrons to use public or people-powered transport to attend events at the Showground

The Society's preferred position is for 90% of patrons to travel to the Show via public transport, or walking and cycling. This is consistent with the State's 30 Year Plan for Adelaide and can only be realized in the long term if the State rolls out infrastructure and reverts the Greater City of Adelaide away from cars and back to both public transport and people powered modalities such as walking and cycling.

In the meantime, several measures have been initiated including:

- Incorporation of public transport facilities in the Goyder forecourt, providing better access to the Showground from Goodwood Road.
- Installation of bike parking facilities at the north and south entrances to the Showground, and financial support of the Keswick bikeway installation.
- Supported the installation of a safe pedestrian / bike crossing from the Park Lands to the Showground via Hamilton Boulevard.
- Public Transport Services; construction of permanent railway station has increased the number of patrons using public transport to attend Royal Show and other events at the Showground.
- Encouraging visitors to use public transport through our marketing communication.

The Royal Adelaide Show partnered with local environmentally friendly transport company *Eco-Caddy* to provide environmental transport between the Showground gates and the parklands car parks for those who need it.

The Department of Planning, Transport and Infrastructure (DPTI) has decreased its reporting on total public transport patronage report for the Royal Adelaide Show. DPTI reported 42,816 patrons validated their tickets at the Adelaide Showground Station, a reduction of 1830 or 4.1%. Buses received 23,066 validations (down 2.8%). This is a reversal of the increase seen in 2016 however as patronage to the Royal Adelaide Show was down 7.5% and the parklands parking was restricted on several days this is a net proportional increase.

The Adelaide Showground train station offers year round access to the Showground for more than 1.2 million people who visit each year for events, exhibitions, concerts, university exams and the Royal Adelaide Show. It provides the community with better access to Ashford Hospital and local businesses. Further additions since completion have seen the bike lane extend past the Showground station under ANZAC/Greenhill intersection reducing bike commuter time and making the transit significantly safer for cyclists. Patronage is still expected to increase over the next 15 years, especially given the extension of the Tonsley line to Flinders Hospital and Flinders University, although without complete DPTI figures this is not possible to fully measure.

The Adelaide Showground is also well serviced by buses along Goodwood Road and the junction of ANZAC Highway, as well as the Goodwood Road Tram Stop.

Cyclists can access the Showgrounds safely from both the Mike Turtur Bikeway and Railway Terrace/Richards Terrace Bikeway, connecting to the Parklands Trails bike path network.

The Society has metro cards available which enable staff to use public transport when attending meetings in the CBD rather than using vehicles saving costs (on parking fees) and carbon emissions.

Key focus

- Increase use of public transport for Show patrons and other visitors by developing and supporting cost efficient initiatives.
- Increase promotion of public transport through our website and Show communication.
- Ongoing discussions with the State Government to continue to develop a long term public transport offering to the public.

Key actions for 2018

- Continue messaging of public and people-powered transportation methods to the Adelaide Showground through marketing and communications.
- Continue to build partnerships with public and private business to improve public and people-powered transportation methods to the Adelaide Showground.

4.4. Catering

Objective: To reduce the impact of catering on our environment

Report provided by O'Brien Group Australia representative:

The Society and contract caterer O'Brien Group Australia (OBGA) recognise the changing business landscape and proactively investigate programs to better understand carbon reduction opportunities across our operations. Clients' sustainability concerns are equally important to us as it is to them how we source, prepare and provide food.

Initiatives include:

- Bulk buying to reduce packaging and waste.
- Use of organic products due to the pesticide-free farming practices used in growing these fruit and vegetables.
- Use of local products to reduce food miles and support local producers.
- Tighter management of production to minimize waste.
- Unused food is donated to OzHarvest to share with people in need and to reduce food waste.
- Staff are encouraged to bring their own mugs for coffee and plates for food; alternatively, the Café provides crockery that can be returned.
- Utilizing multi bin system for event catering waste.
- Re-introducing organics bins to daily kitchen operations.
- Reduce electricity usage by turning off lights in areas not in use and keeping air conditioning/heating use to a minimum.
- Conscientious use of cleaning chemicals to minimise environmental impact while adhering to food safety regulations.
- Increasing the amount of compostable packaging and recycled cardboard options.
- Reducing the use of overall packaging where possible.
- OBGAs have a paper-free payslip system and are conscious to reduce paper use within their offices.
- POS system no longer automatically prints EFTPOS receipts, resulting in less paper use.
- Refinement of sale/return policies with suppliers, minimising storage of products, in effect reducing energy consumption.
- Encourage discussion with suppliers regarding ethically sourced and local produce and products.
- Ensure catering sub-contractors are aware of our position on sustainability

OBGA and the Society must work together to ensure there are necessary facilities to support and encourage green thinking by sub-contractors and suppliers.

Key focus

- Reinforce to staff that crockery and cutlery is available in Jubilee Café on non-event days to reduce single-use disposables.
- Improve internal catering recycling e.g. milk bottles and coffee grounds.
- Reduction in packaging at all levels of operation

Key actions for 2018

- OBGA to participate fully in the roll out of the multi bin system
- Setting up systems for the introduction of compostable or recyclable cutlery and plates
- Showground implement Australia first DetPak compostable/fully recyclable options for coffee cups
- Transition from individually wrapped condiments/seasonings to bulk systems
- Removal of plastic straws

The Society thank OBGA for their contribution.

4.5. Green Building Initiatives

Objective: To include sustainability initiatives into any new developments and upgrades at the Showground

Whenever the Society develops new buildings, we will include environmental design, initiatives and products such as Green ratings, Nabers ratings, or subsequent green building design parameters.

Examples of recent developments included the following elements:

- Low Volatile Organic Compound (VOC) paints used.
- Energy efficient lighting and cooling.
- Use of recycled carpets in the Ringmasters building.
- Use of light sensors in all new developments including the North-West carpark toilets and Red Dove Café.
- Collecting rainwater for uses such as toilet flushing and irrigation.

Key focus

- Careful consideration and planning of new constructions, incorporating sustainable initiatives
- Continued environmental focus when updating electrical appliances

4.6. Environmental Communications, Education and Training

Objective: To educate our staff and the public on green initiatives

The Society is committed to protecting the environment, and at the same time we want to provide a valuable educational resource for our staff and the wider community. We understand that staff should undergo environmental awareness training to familiarise them with their responsibilities for implementing the Environmental Management Strategy and with the overall environmental policy and objectives of the organisation. This provides staff with the necessary skill and motivation for the effective implementation of the Environmental Management Strategy.

The Society has therefore introduced the following initiatives:

- Introduced a permanent 'Environmental Walk' to highlight the environmental aspects now in place at the Adelaide Showground.
- Publicly display information relating to Showground solar power production and water harvesting on large signage located on Goodwood Road.
- Created a safe access and viewing platform for public groups to view rooftop solar system.
- Have volunteer led rooftop tours during all days of the Royal Adelaide Show, World Environment Fair and Science Alive!, weather permitting.
- Provide opportunity for school students and industry groups to view the venue's green credentials year-round. This will be communicated via a flyer also pointing out our green initiatives.
- Two active beehives on the roof of the Goyder Pavilion; viewed in combination with the rooftop tour.
- Included a regular green column in the staff newsletter and "Green Tip of the Month" via email to all staff.
- Provide training and information sessions when necessary.
- Committee representative to make an annual visit to an external green facility or business to research new green methods which may be implemented at the Adelaide Showground.
- The implementation of a successful Adelaide Showground owned event, World Environment Fair.

Key focus

- Investigate training opportunities available to Committee members to assist in further education on sustainability
- Continue periodic updates to website and available documentation on our environmental credentials to provide a consistent message
- Continue to improve messaging and signage to assist in promoting our green initiatives

Key actions for 2018

- Adelaide Showground Team to run a successful World Environment Fair in its second year.
- Increase Solar Rooftop Tours participation
- Find relevant and interesting content for staff newsletter.

4.7. Environmental Management Plan

Objective: Investigate the possibility to develop an Environmental Management Plan in line with AS/NZS ISO 14001:2004 Environmental Management Systems – Requirements with Guidance for use (Standards Australia) and is reflected in these guidelines.

The Environmental Management Plan describes how an action might impact on the natural environment in which it occurs and set out clear commitments from the person taking the action on how those impacts will be avoided, minimised and managed so that they are environmentally acceptable. In this process, responsibilities and reporting structure will be allocated to staff and management to ensure the Environmental Management Plan (and the overarching Environmental Management Strategy) is implemented effectively.

Federal government guidelines are available for best practice environmental management plans and impact assessments, which the Society utilise.

Key focus

- Creation of industry best practice Environmental Management Plan/s.

Key actions for 2018

- Investigate the possibility to develop Environmental Management Plan/s in line with ISO14001
- Consider ISO14001 accreditation

Australian Green Clean Cleaners Report March 2018 for Adelaide Showground

Australian Green Clean (AGC) work with the Adelaide Showground to continually test new initiatives and minimise environmental impact. The following initiatives are currently in planning or implementation:

1. Trial of recycled toilet paper:
AGC are trialing different toilet paper options to reduce the amount of toilet paper waste and encourage the use of an environmental friendly product, not virgin paper. Trials include testing various brands and associated dispensers (which themselves are made from recycled plastics and are in turn recyclable).
2. Increase use of external bin covers:
AGC are working with the Adelaide Showground to increase the number of external bin covers. Bin covers help to educate all patrons of a multi bin system and substantially increase the diversion of waste from landfill.
3. Implementation of 3 Bin System (organic stream, drink containers and general waste) across all events for 2019:
AGC with Adelaide Showground aim to implement a three bin system across all events in 2019, including the Royal Adelaide Show. Smaller events will be rolled out in the lead up to larger events. Introduction of a three bin system may decrease general waste output to landfill by 60-80% across the venue. For this to be achieved, all packaging used by OBGAs and external vendors must be compostable. AGC staff will continue to oversee the waste management process during events.
4. Biodegradable and safe environmental cleaning products:
AGC aim to only use green cleaning products which are *Green Environmental Choice Australia* approved. These products are environmentally friendly and safe/non-hazardous for staff. AGC also ensure all contractors under the control of AGC are reviewed and monitored to Australian Fair Work Standards; their products must, where reasonable, be environmentally friendly. AGC are conscious of the impact that hazardous products have on the environment and ensure all options are exhausted prior to using hazardous, non-green products.

EVENTS • COMMERCIAL • WASTE

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5. Streaming wine bottles during Royal Show to be 100% recycled:
AGC will implement and manage a special 'glass wine bottle' streaming for Taste SA during the Royal Adelaide Show. All wine bottles will now be recycled.
6. Install a permanent paper & cardboard compactor
A permanent paper and cardboard compactor on site will increase efficiencies and reduce bin rental across the Showground. This compactor will provide one central paper and cardboard collection point for the venue.

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