

ECO360 FOCUS

SUSTAINABILITY HIGHLIGHTS 2018

CREATING A LEGACY

MARINA BAY *Sands*[®]
SINGAPORE



ABOUT MARINA BAY SANDS®

Marina Bay Sands is Asia's leading destination for business, leisure and entertainment, delivering unparalleled experiences for our guests. Located in the heart of Singapore's Central Business District, Marina Bay Sands' iconic design and multidimensional offerings have transformed the city's skyline and tourism landscape since we opened on 27 April 2010.

Crowned by the spectacular Sands SkyPark®, Marina Bay Sands features three cascading hotel towers with 2,561 luxury rooms and suites, state-of-the-art convention and exhibition facilities, a theatre, world-class entertainment, and the best shopping and dining in the region.

CREATING A LEGACY OF SUSTAINABLE IMPACT

Ever since we opened almost a decade ago, our commitment to operating sustainably has remained strong. In 2018, we focused our efforts on five key areas: resource management, ECO360 meetings, wellness, procurement and food. And we've already seen great results.

Our Team Members are a powerful force in driving performance in these key areas. That's why we've continued to make Team Member engagement around sustainability issues a priority. Our approach to sustainability reflects our aim: to build a responsible business that raises the bar within the hospitality sector.

At Marina Bay Sands, we recognise there's a need to develop new ways of doing business sustainably. What's more, we believe there's a tremendous opportunity for us to challenge conventional perceptions and prove that sustainability can be at the heart of luxury. We're making great progress, and we're proud to be shaping the future of hospitality.

IAN WILSON

Chairperson, Sustainability Steering Committee
Senior Vice President, Non-Gaming Operations

// We believe there's a tremendous opportunity for us to challenge conventional perceptions and prove that sustainability can be at the heart of luxury. //

OUR SUSTAINABILITY JOURNEY

2011

Established **Sustainability Steering Committee**

2012

Set up **Sustainability department**

BCA Green Mark Gold AWARD

Launched company-wide **sustainability education programme** for Team Members

FIRST building outside US to achieve **APEX/ASTM Venue Level One** certification

2013

Formed **Energy and Water Management** teams

Launched **Sands ECO360 meetings programme**

FIRST MICE facility in Singapore to adopt Singapore Tourism Board's MICE sustainability guidelines

2014

EarthCheck Silver Certification

FIRST ISO 20121-certified MICE facility in SE Asia for sustainable events management system

Removed shark fin from menus in owned and operated restaurants plus Sands Expo and Convention Centre

2015

BCA Green Mark Platinum recertification

UFI Sustainable Development AWARD

IMEX (Frankfurt) Green Supplier AWARD

Began partnering with **Clean the World** to collect and recycle soap to make new bars for families in need

2016

Hosted fifth Responsible Business Forum on Sustainable Development – **Singapore's first Zero Waste to Landfill event**

NEA 3R Packaging awards – **Merit**

NEA and SHA 3R Hotel awards – **Distinction**

FIRST venue in Singapore to achieve **MICE Sustainability Certification (SACEOS)**

PATA Grand AWARD WINNER for Sands ECO360 meetings programme

2017

Announced landmark partnership with WWF Singapore around responsible procurement and supply chain transformation. By 2020, we aim to have 50% of all seafood by volume sourced responsibly.

Installed 145kWp solar power system atop the Sands SkyPark – the highest location of solar panels in Singapore

Singapore Green Hotel Awards – recognised for being a leader in sustainability

NEA 3R AWARD for Shopping Malls for **The Shoppes at Marina Bay Sands**

2018

ASEAN Tourism Standards Green Hotel award and MICE Venue **AWARD**

LEED Gold for ArtScience Museum

(Existing Buildings: Operations & Maintenance) – the

FIRST museum in Asia Pacific to receive the honour

Abbreviations – APEX/ASTM: sustainability meeting standards; ASEAN: Association of Southeast Asian Nations; BCA: Building and Construction Authority of Singapore; IMEX: exhibition organisation; LEED: Leadership in Energy and Environmental Design; MICE: meetings, incentives, conferences and exhibitions industry; NEA: National Environment Agency of Singapore; SACEOS: Singapore Association of Convention and Exhibition Organisers and Suppliers; SHA: Singapore Hotel Association; PATA: Pacific Asia Travel Association; UFI: global industry association; WWF: World Wide Fund for Nature.

Q&A: WITH KEVIN TENG, EXECUTIVE DIRECTOR, SUSTAINABILITY

GOVERNANCE: OUR SUSTAINABILITY STEERING COMMITTEE

Established in 2011, the primary objective of the Sustainability Steering Committee (SSC) is to provide executive leadership on Marina Bay Sands' sustainability strategy, resources and performance.



WHAT WERE MARINA BAY SANDS' MAIN SUSTAINABILITY ACHIEVEMENTS IN 2018?

Our focus since opening in 2010 has been to decouple our environmental impact from business growth – and for the sixth consecutive year, we're proud to say that we have successfully done this. For example, in 2018, Marina Bay Sands diverted over 3 million kg of waste away from landfills/incinerators – a 30% increase from 2017 – and reduced our annual carbon emissions by 34% from baseline year 2012. All this while continuing to exceed 90% occupancy rates and growing our property EBITDA.



200+

GREEN MEETINGS WERE HELD AT OUR EXPO AND CONVENTION CENTRE IN 2018

WHAT CHALLENGES DOES THE TEAM FACE WHEN IMPLEMENTING SUSTAINABILITY INITIATIVES, AND HOW DO YOU OVERCOME THEM?

Considering the scale of our operations, one of our greatest challenges is to engage our guests and Team Members (who number over 10,000) on sustainability issues. We've been able to do this with amazing support from our partners in the supply chain and event industry. In 2018, 28% of our total seafood consumption was responsibly sourced – a five-fold increase from 2015 – and more than 200 Green Meetings (an increase of 50% from 2017) were held at our Expo and Convention Centre.

KEVIN TENG
Executive Director, Sustainability



IAN WILSON
Senior Vice President
Non-Gaming Operations
(SSC Chairperson)



FARIS ALSAGOFF
Senior Vice President
& General Counsel



ANNE CHEN
Senior Vice President
Gaming Operations



CHAN YIT FOON
Senior Vice President
Human Resources



ROBERT HARAYDA
Senior Vice President
Finance



MAUNIK THACKER
Senior Vice President
Marketing



HAROLD LEE
Vice President
Facilities



KANDHADAI SRIDHAR
Vice President
Procurement & Supply Chain

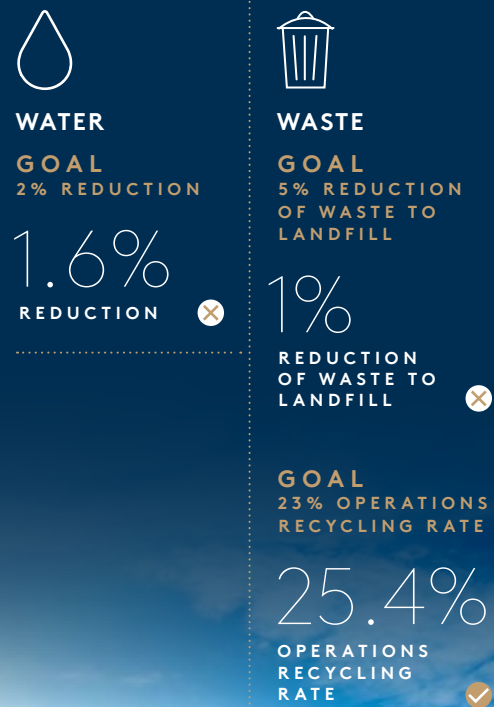
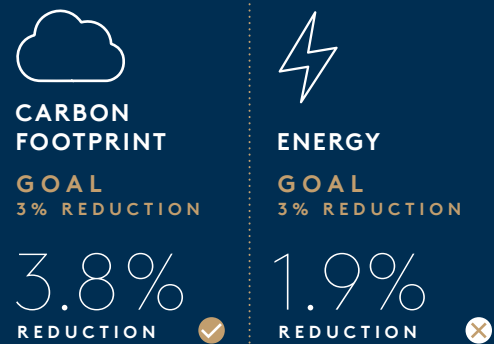


LISA WILLIAMSON
Vice President
Communications

2018 PERFORMANCE

✓ ACHIEVED ✗ NOT ACHIEVED

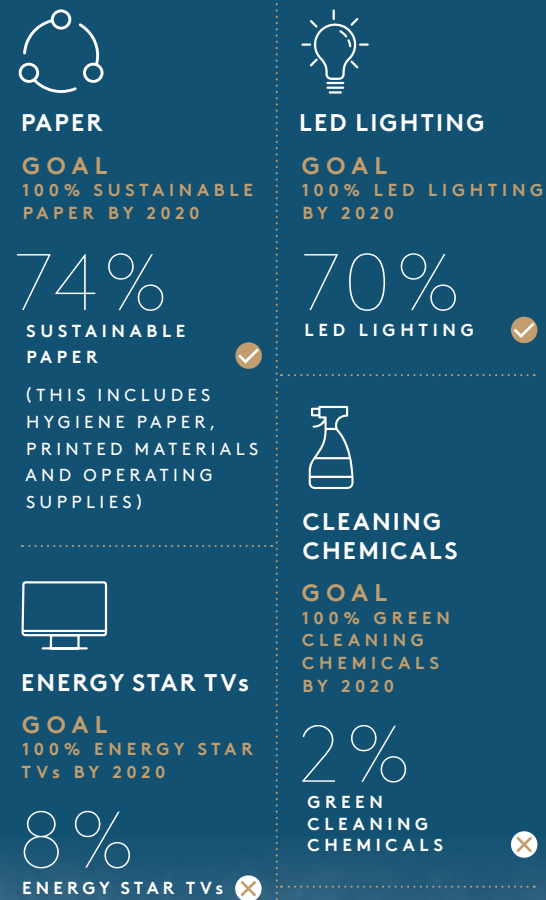
RESOURCE MANAGEMENT



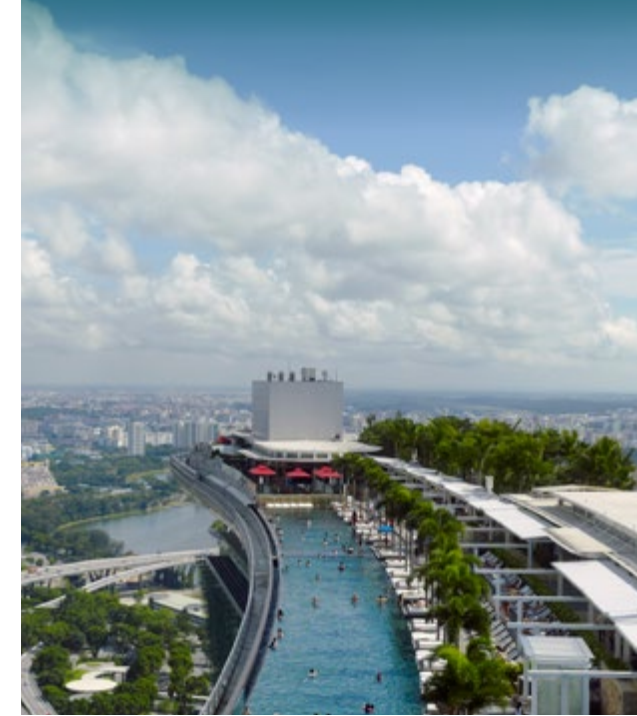
GREEN MEETINGS



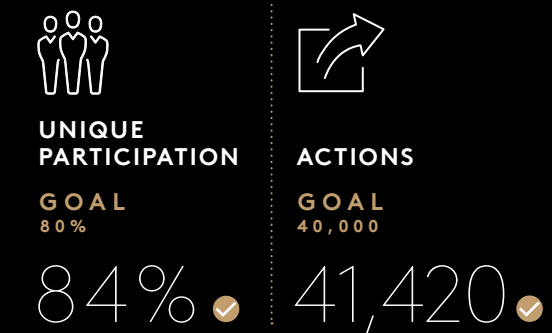
SUSTAINABLE PROCUREMENT



WELLNESS



TEAM MEMBER ENGAGEMENT

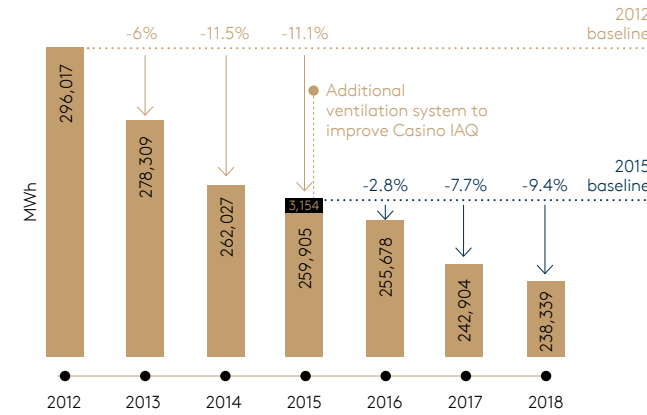


These goals and performance figures relate to 2017 figures.

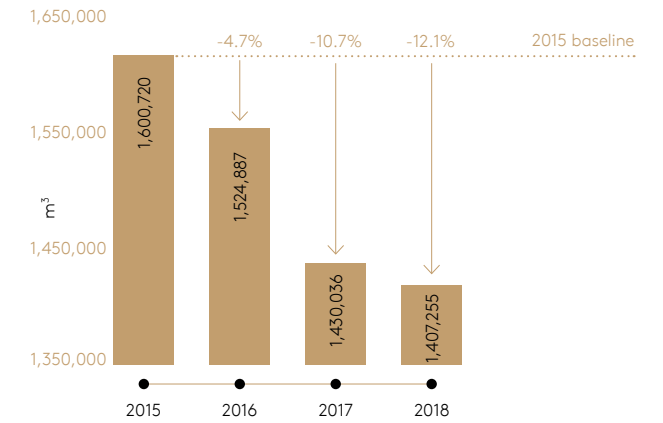
RESOURCE MANAGEMENT: IMPROVING ENERGY AND WATER EFFICIENCIES



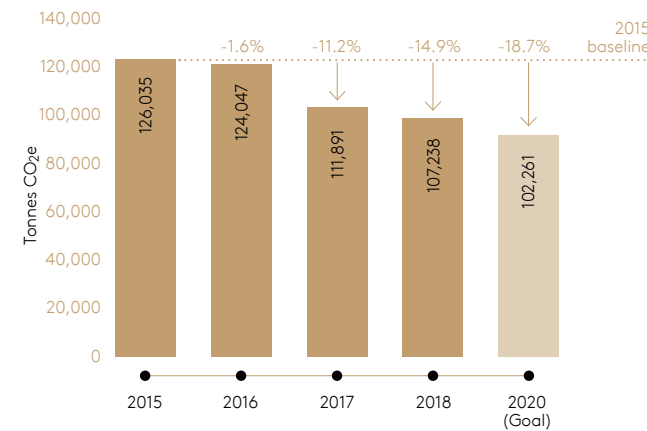
ENERGY CONSUMPTION TREND – BASE YEAR 2012 AND 2015



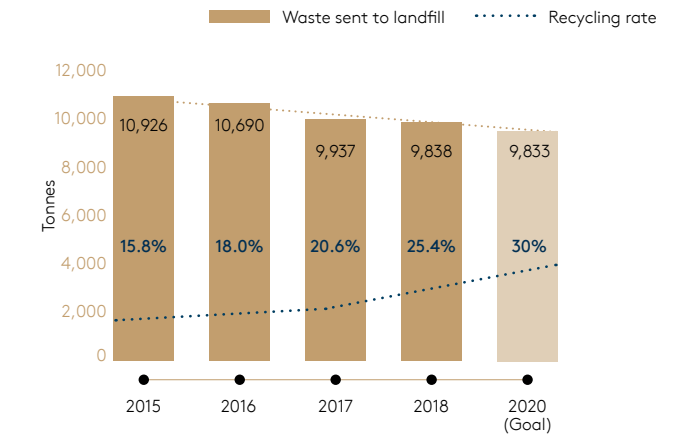
WATER CONSUMPTION TREND – BASE YEAR 2015



CARBON EMISSIONS



PROPERTY WASTE

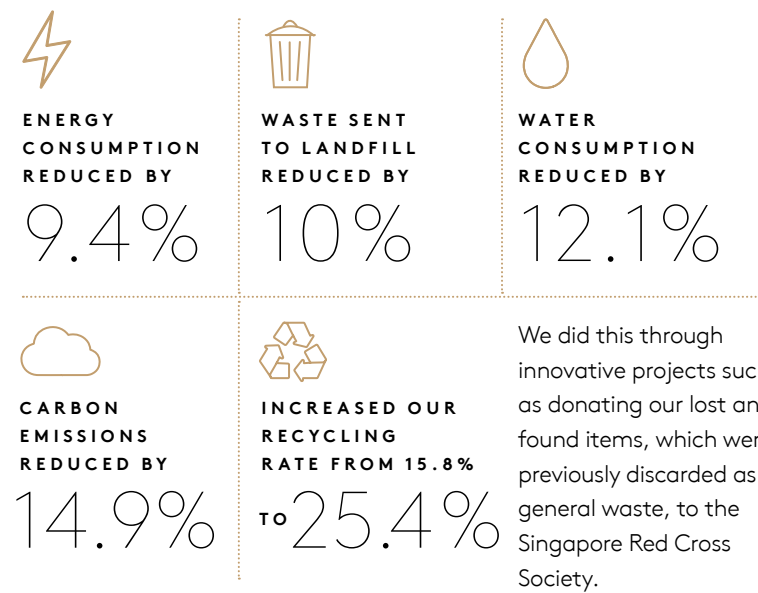


At Marina Bay Sands, we know how important it is to reduce our environmental footprint as our business grows. So, we always strive to improve our energy and water efficiencies.

In fact, since 2015, we've cut our energy and water consumption by 9.4% and 12.1% respectively. Plus, we've managed to reduce our carbon emissions by 14.9% within the same timeframe. Having made full use of our existing energy- and water-saving infrastructure, we know that a long-term reduction will require a shift in consumption attitudes and behaviours. Our aim moving forward is to adopt a comprehensive energy and water management strategy, which focuses on five main principles.



2018 PERFORMANCE



All figures above are in comparison to baseline year 2015.

HOW OUR FDD TOOL HELPED US SAVE ENERGY

In 2018, a large part of our energy savings was down to our Fault Detection and Diagnostic (FDD) tool. Using existing information from our Central Control Management System, the FDD tool can identify ways to reduce energy consumption, improve guest comfort and enhance operational efficiency. In fact, it helped with energy savings of almost 270,000MWh over the course of the year.

GREEN MEETINGS: PROTECTING THE PLANET THROUGH GREEN MEETINGS AND EVENTS



Since opening, Marina Bay Sands has become the venue of choice for many international and regional conferences and tradeshows. We work with organisations across a diverse range of industries, including new-to-Singapore events.

As an internationally recognised sustainable venue, we take pride in how we work. We offer sustainable event advisory services to help our clients achieve their green meeting goals. And our customisable green meetings programme offers options in waste management and sustainable set-ups. Plus, we provide an extensive Harvest Menu that offers fresh, locally sourced produce.

But that's not all. We also offer our clients a post-event impact statement upon request. This includes the event's environmental impact data and sustainability initiatives, which we present in one complete report. This allows our clients to see the effect their event has had on the planet.

But we like to let the numbers speak for themselves. Since launching the Sands ECO360 green meetings programme in 2013, we have seen a huge rise in the number of sustainable events – from just five in 2013, to over 200 in 2018.

IN 2018 ALONE

OUR SANDS EXPO AND CONVENTION CENTRE HOSTED OVER **3,600** EVENTS

WITH MORE THAN **1.4** MILLION ATTENDEES



HOW WE ATTRACTED A MULTINATIONAL CORPORATION

In 2018, the Schneider Electric Innovation Summit was one of the largest conferences at Marina Bay Sands. It brought together 3,200 world-leading entrepreneurs, executives and industry leaders who all shared the same belief in the value of sustainability. Together, they shared insights and bold ideas on the challenges and opportunities of powering and digitising the economy.

The multinational corporation chose Marina Bay Sands because of our strong sustainability initiatives and green meetings programme. In addition to our standard green meeting features, we focused on serving delegates sustainable, local and organic produce. This included sustainable rice backed by the United Nations, triple-certified coffee, free-range lamb and more.

We also served seafood such as prawns, scallops and cod – all certified as sustainable by reputable third-party organisations. Plus, we banned all single-use plastic water bottles and disposable cutlery. This helped us to significantly lower the event's plastic footprint.

At the end of the summit, more than 100 pieces of furniture were donated to the Association for Persons with Special Needs' Centre for Adults – a sheltered workshop and training space for beneficiaries. This allowed us to reduce waste while supporting the local community.



SUSTAINABLE PROCUREMENT: MAKING A POSITIVE IMPACT ACROSS OUR SUPPLY CHAIN



Marina Bay Sands operates on a scale like no other in the hospitality industry – allowing us to positively influence our entire supply chain. We use this position when choosing suppliers to do business with, and we emphasise our preference for suppliers that share our sustainability vision through our sustainable purchasing policy.

In 2018, we established baseline calculations and criteria in our procurement system for a majority of our purchasing categories. We also re-evaluated and strengthened our selection criteria for cleaning chemicals to further align them with our sustainability philosophy. We now ensure that our sustainable cleaning products are independently certified to have met rigorous environmental standards.

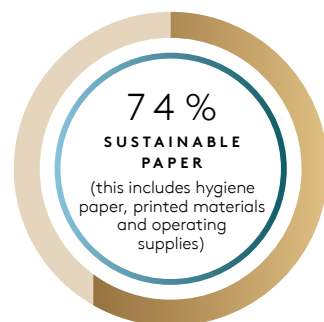
IMPROVING MARINE LIFE AND COMMUNITIES THROUGH SUSTAINABLE FOOD

With the global population due to grow from 7 billion in 2010 to 9.8 billion in 2050, overall food demand is due to rise by over 50%. As an integrated resort with food and beverage at the heart of our operations, we know that we have a major role to play in ensuring sustainability of the food system. We have the potential to make a big impact on the planet, and we want to lead by example.

Our partnership with the World Wide Fund for Nature (WWF) Singapore demonstrates our commitment to raising the bar for sustainable seafood. Through this partnership, we have created measurable goals with WWF to improve responsible seafood procurement within our resort and transform our supply chain. Given the sheer volume of seafood we purchase, our move to sustainable seafood has the potential to benefit marine ecosystems and local communities throughout the region.

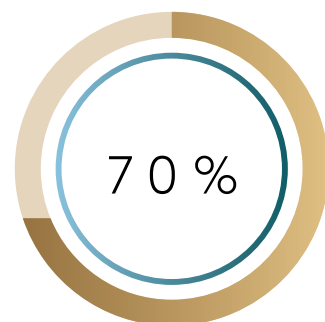


SUSTAINABLE PAPER



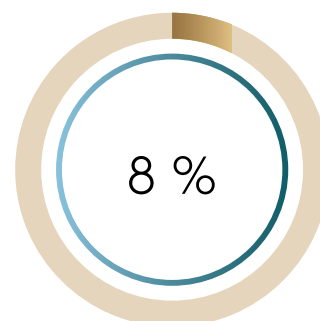
Goal: 100% sustainable paper by 2020

LED LIGHTING



Goal: 100% LED lighting by 2020

ENERGY STAR TVs

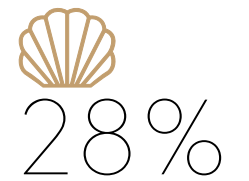


Goal: 100% Energy Star TVs by 2020

SUSTAINABLE CLEANING CHEMICALS



Goal: 100% green cleaning chemicals by 2020



OF OUR SEAFOOD IS RESPONSIBLY SOURCED
OUR GOAL IS TO REACH 50% BY 2020

NO SHARK FIN
HAS BEEN SERVED SINCE 2014



WE SUPPORT 7 AQUACULTURE FARMS

IN MALAYSIA, WHICH HAVE PRODUCED 200,000kg OF SUSTAINABLE SEAFOOD

WELLNESS: ENHANCING COMFORT, RELAXATION AND WELLBEING



At Marina Bay Sands, we found a strong demand for wellness facilities and amenities from business travellers. So, we decided to focus our sustainability efforts for 2018 on the key area of wellness. This led to the formation of a Wellness Taskforce – a team comprising senior leaders from a range of departments, including Housekeeping, Food & Beverage and Social Media. Together they focused on three broad wellness areas across the property:



BUILDING
Air, light
and space



BODY
Health, fitness
and ergonomics



BRAIN
Mental health,
arts and music

ACHIEVEMENTS

One of the main outcomes from focusing on wellness is that we commissioned sports marketing agency Lagardère Sports to market our commercial opportunities. Through this collaboration, we hope to forge meaningful partnerships and create impactful events that will inspire our visitors.

In 2018, we also trialled a number of wellness solutions. This included in-room aromatherapy units and pocket spring beds with adjustable firmness to suit personal comfort preferences. This was a great way to enhance guest wellbeing and help our guests feel more relaxed.

TEAM MEMBER ENGAGEMENT: CREATING A CULTURE OF SUSTAINABILITY

We believe the key to becoming even more sustainable is to get our Team Members – from our top executives to our frontline staff – personally engaged in our sustainability journey. In 2018, we focused on four main themes for our Team Member engagement programme: energy and water, consumption and waste, sustainable technology and sustainable living.

To create a culture of sustainability, we believe it's important to invest in educating our Team Members about our efforts to reduce our environmental footprint. We also empower them to make their own positive impact in their daily lives, both at work and at home.

HOW WE ENCOURAGED STAFF TO RECYCLE E-WASTE

According to the National Environment Agency, Singapore generates more than 60,000 tonnes of e-waste a year. More than a quarter of this e-waste is discarded, and only 6% of household e-waste is recycled. Any e-waste that doesn't get recycled is incinerated. Not only does this mean a loss of resources that could have been recycled, but the process also releases carbon emissions that contribute to global warming and climate change.

In September 2018, Marina Bay Sands organised an e-waste recycling drive, with over 3,000 Team Members donating their personal e-waste. The drive collected 700kg within the first week, including items such as mobile phones and rice cookers.

Over 200 Team Members also participated in workshops, where they learnt about the importance of recycling e-waste. They also had the opportunity to disassemble lighting fixtures to understand the e-waste recycling process. As a result, our Team Members have the knowledge they need to help them make better recycling decisions – whether it's at home or at work.



TEAM MEMBER ENGAGEMENT




BEYOND 2019: OUR FUTURE FOCUS


Taking into account our progress in 2018, we have fine-tuned our approach and will be focusing on five key areas in 2019. Three of the areas remain the same, although they now have a different name to complement our new approach. For example, Resource Management is now Environmental Footprint; ECO360 Meetings is now Sustainable Events; and Sustainable Food is now Responsible Food.


Partnerships and Materials are two new areas that we will be looking at in 2019. Our aim is to develop our internal and external partnerships further and to ensure that the materials we use come from sustainable sources. As we continue to grow and improve our sustainability programme, we are conscious of the need to better communicate our initiatives. That's why communication underpins these five focus areas.


In the year ahead, we will continue to focus on designing and implementing projects around issues of climate change, plastic and food security. We will also explore new green technologies that could potentially be deployed on property – essentially all things to ensure that Marina Bay Sands remains at the forefront of sustainability. We want to make a positive impact on the world, and this is our roadmap to getting there.

ENVIRONMENTAL FOOTPRINT


ENERGY EFFICIENCY 


WASTE MINIMISATION 

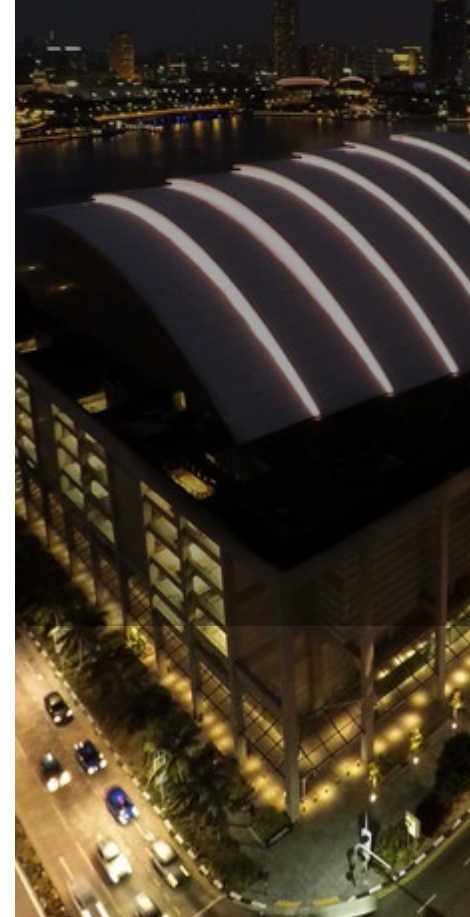
WATER CONSERVATION 



SUSTAINABLE EVENTS

UPDATING PACKAGE 

CUSTOMER FOCUS 



PARTNERSHIPS

THOUGHT LEADERSHIP 

CUSTOMER AND STAFF ENGAGEMENT 



RESPONSIBLE FOOD


SEAFOOD 


COFFEE 


INNOVATION 

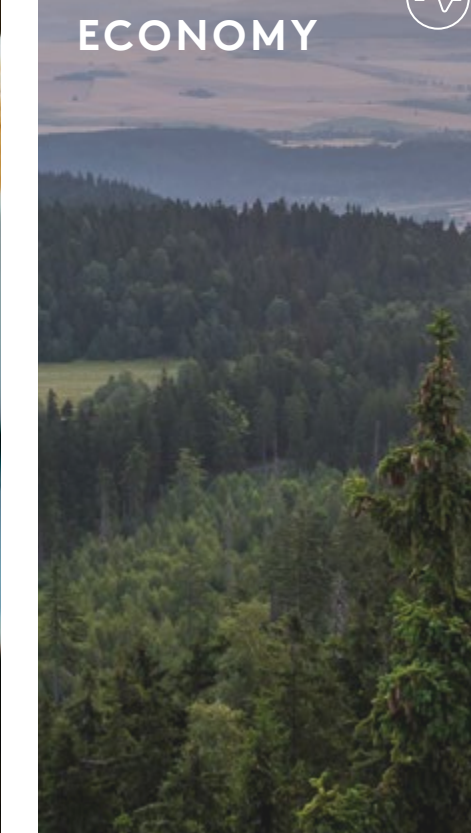


MATERIALS

PAPER 

PLASTIC AND PACKAGING 

CIRCULAR ECONOMY 



COMMUNICATION

CONTACT US

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For more information on Sands ECO360 and our Global Reporting Initiatives, please visit:
www.sands.com/sands-eco-360/our-vision.html

To download our Annual Sustainability Report, please visit:
www.sands.com/sands-eco-360/our-news/environmental-report.html

