

SANDSECO360 QUARTERLY

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INSIGHT INTO LAS VEGAS SANDS CORPORATE SUSTAINABILITY ACTIVITIES

4TH QUARTER 2019

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RENEWABLE ENERGY

Sands China Ltd. Builds Solar Thermal Plant at The Londoner Resort



Sands China Ltd. has built a large solar thermal hybrid energy plant at The Londoner Resort. The system features a 222 solar panel array combined with a heat pump system that is able to generate enough hot water for The Sheraton Grand Sky Tower including its swimming pools, spas, kitchens and all 2,000 suites. The renewable energy system completely eliminates the need for a natural gas boiler.

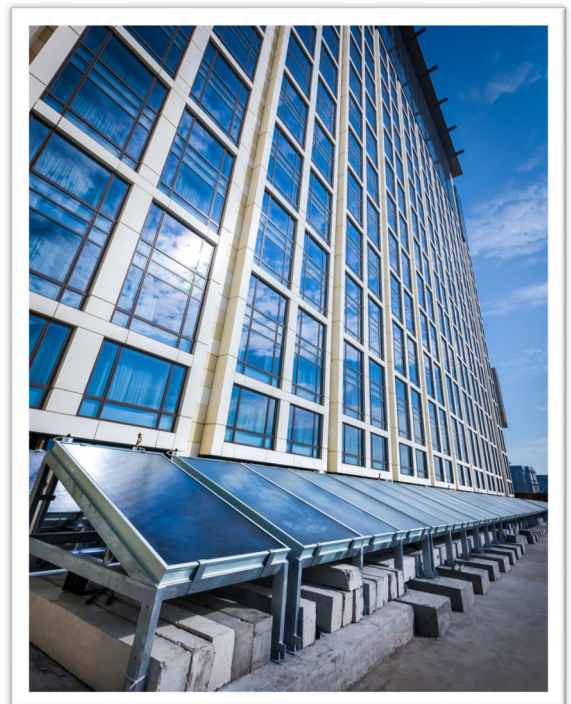
The solar thermal panels will generate more than 500 megawatt-hours of thermal energy annually, equivalent to providing hot water to 3,300 households in Macao for one month. Additionally, the hybrid system improves the existing plant efficiency by over 50 percent, and is expected to avoid 1,140 metric tons CO₂e emissions annually. This successful initiative will help us reduce our greenhouse gas emissions and increase our renewable energy consumption.

222

Solar panel array system

Supplies
100%

of hot water to The Sheraton Grand Sky Tower suites, swimming pools, spa and kitchens



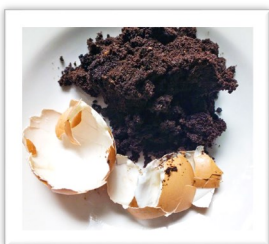
WASTE

Coffee, Eggshells, and Furniture?



Pilot programs tackle new waste streams at The Venetian Resort Las Vegas

Throwing rubbish away drains our planet of natural resources and disrupts ecosystems. The Venetian Resort has worked tirelessly over the years to reach and maintain a recycling rate that hovers around 55%. A new composting pilot program will continue this trend, helping extend the life of resources and reduce the amount of waste sent to landfill. Starting in Q4 of



2019, the property's eggshells and leftover coffee grounds were sent to a local composting facility to be turned into nutrient rich soil for gardening and landscaping. Another significant source of waste in the hospitality industry are hotel furnishings such as bed frames, lamps and artwork. To address this issue, The Venetian Resort launched a partnership with worldwide auction company Biddergy, to give used furnishings a second life. Thus far, the property has sent close to 300,000 pounds (136,077 kg) of no longer needed items to the auction.

Climate S.O.S!

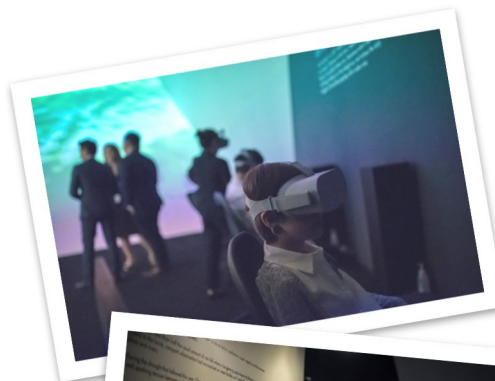


Environmental inspiration via visual media at the ArtScience Museum

From September to November 2019, the ArtScience Museum at Marina Bay Sands presented Climate S.O.S – Season of Sustainability, a seasonal event focused on raising awareness about the impact of climate change on our oceanic environments. This special showcase draws attention to the connection between our consumer habits and the natural world. A lineup of engaging climate-related films, exhibitions and interactive programs evoked immediate and profound calls-to-action.

The centerpiece of Climate S.O.S was *Changing Course 2019*, a multimedia exhibition featuring a gallery of photographic prints by award-winning environmental journalists and a virtual reality experience on the global climate crisis. The exhibition also featured the global premiere of *Arctic Awakening*, a new short film documentary displaying breathtaking shots of the Arctic landscape, and the far-reaching impact of rising sea levels, altered ecosystems and extreme weather. The exhibition was developed by Singapore-based media company Eco-Business in collaboration with ArtScience Museum.

Closing off the season was *Skyscraper* (The Bruges Whale), an 11-meter tall sculpture made from recycled ocean plastic. The striking sculpture is designed by award-winning architects and designers Jason Klimoski and Lesley Chang from the acclaimed StudioKCA in New York. The plastic waste used in the sculpture – ranging from hangers and kitchen bowls to toilet seats and car bumpers – was amongst five tons of waste pulled from the Pacific Ocean in 2018. Shaped into the iconic *Skyscraper*, it now serves as a stark visual reminder of the 150 million tons of plastic polluting our waters.



IN THE NEWS



CNN: China has announced a new plan to crack down on most single-use plastics by 2025

China is tackling single-use plastic such as straws, bags, cutlery and more. The hospitality and food & beverage sectors can expect to see reduction initiatives geared towards their industries.

Straits Times: Zero-waste law comes to Singapore

The Resource Sustainability Bill, which was passed in Singapore Parliament in September 2019, will make it mandatory for some large producers of waste to re-use and recycle more. This will allow Singapore to treat waste the way it treats water - by wringing value from every last drop.

CDP: High Achievers

Las Vegas Sands Corp. has once again received the highest possible score of A for CDP Climate Change and Water Security. The internationally recognized organization evaluates companies on their environmental performance.

Sands: SCL Builds 40k Hygiene Kits

A total of 350 volunteers from Sands China Ltd. and local community groups worked together this December to package 40,000 hygiene kits for Clean the World. The kits will go to those in need and help prevent the spread of disease.

Food & Beverage and Stewarding Take on Sustainability

Issac, Ricky, James and Kenny form a dynamic team at Sands China Ltd. They all are responsible for various aspects of food & beverage and stewarding operations. In this Sands ECO360 interview, we gain insight into how sustainability has become part of their daily operations.

Tell us a bit about yourselves.

Issac: I joined The Venetian in July 2019, after working for seven years at The Sheraton. In banquet operations, we work very closely with the culinary and stewarding team to ensure all events go smoothly.

Ricky: I have been with the company for 11 years, since the grand opening. I am responsible for daily operation of the catering kitchen. We take care of large groups such as 12,000 - person buffet events and traditional Chinese seated dinners.

James: I have worked for two and a half years in the banquet kitchen, helping prepare event menus with my staff. Since I have been on board, the kitchen, service and stewarding teams have always worked closely together for each and every event.

Kenny: I graduated from Institute for Tourism Studies and came directly to work in stewarding for Sands. We are responsible for tableware and servicing for restaurants, Team Member dining and banquets.

What are your team's most recent sustainability efforts?

Issac: I think my team's major role in sustainability includes separating food waste and recyclables from general waste after events. Separated food waste goes to the food digester, thereby helping reduce waste sent for incineration. Reducing, reusing, and recycling helps us reduce our impact on the planet.

Ricky: Our team helps create menus that use sustainable seafood and organic poultry and beef. We also incorporate environmentally friendly tableware and ensure we prepare the correct amount of food for each event.

James: We constantly reevaluate our practices and make changes that reduce food waste. We also give our guests the option to choose a 'green menu' for coffee breaks.

Kenny: Our sustainable efforts are daily and ongoing. We remove waste bins and weigh food waste before it is processed. Measuring helps us understand how we are performing over time.

What do you see as the biggest opportunity in your departments in terms of sustainability?

Ricky: There are many opportunities for sustainability in each of our departments. The biggest opportunity is reducing, including reducing food waste and overall consumption.

What sustainability project are you passionate about?

Issac: We are all very passionate about reducing food waste. We recently conducted a food waste audit, which helped create a baseline to measure performance. We look forward to applying what we have learned thus far and continue to reduce food waste from various events.

What is the most important part of your sustainability mission?

Kenny: Sustainability is an important global issue, but many people in our community and department are still learning of its value. The most important thing we can do is help more people understand what sustainability means, to implement it and to save the world together.



Sharing Food Waste Practices Internationally

Stephanie Zhao, associate director of sustainability, presented at the International Workshop on Food Loss and Waste Prevention this October in Tokyo, Japan. The workshop was organized by the Ministry of Agriculture, Forestry and Fisheries of Japan, FAO Japan Liaison Office, UN Environment and the Thünen Institute (Germany). Her presentation shared with stakeholders ways to implement food waste programs in hotel settings.



PLASTIC REDUCTION

Plucking Plastic Products

The Venetian Resort Las Vegas acts on plastic



The cost of plastic to our planet is becoming far too great. The equivalent of one garbage truck full of plastic is dumped into the ocean every single minute. The Venetian Resort Las Vegas is focusing on reducing its single-use plastic on property by targeting food & beverage and laundry operations. Together, food & beverage and sustainability were able to completely eliminate plastic straws in the heart of house and switch to a sustainable alternative upon request in all owned restaurants and food outlets. Further, many to-go containers in the Team Member dining room were replaced with paper alternatives while many single-serve

items are now provided in bulk. In laundry operations, plastic items such as sleeve clips and collars were eliminated to reduce unnecessary waste. Further, plastic hangers were replaced with cardboard alternatives for Team Member laundry services. In 2020, the resort will test a reusable garment bag to hold laundered clothing in place of the plastic garment bag that is currently used.



STAKEHOLDER ENGAGEMENT

Conservation Hero Graces Marina Bay Sands



“Around the world, Dr. Jane Goodall’s work renews one of our most powerful resources: hope.”¹ On November 26, the Sands Expo & Convention Centre at Marina Bay Sands hosted the Human-Wildlife Co-Existence in Asia Conference organized by Jane Goodall Institute (Singapore). Following the conference, more than 300 Team Members, Sands for Singapore beneficiaries and students from Jane Goodall Institute Singapore’s Roots & Shoots program were treated to a private screening of JANE. They also met Dr. Jane Goodall, renowned primatologist and 2019 Nobel Peace Prize nominee, in person. JANE is an award-winning documentary of Dr. Goodall’s ground-breaking chimpanzee research and her efforts to revolutionize the understanding of the natural world. “Through nearly 60 years of ground-breaking work, Dr. Jane Goodall has not

only shown us the urgent need to protect chimpanzees from extinction; she has also redefined species conservation to include the needs of local people and the environment. Today she travels the world, speaking about the threats facing chimpanzees and environmental crises, urging each of us to take action on behalf of all living things and planet we share.”¹

¹ www.janegoodall.org



STAKEHOLDER ENGAGEMENT

Fifth Consecutive Year of Clean Plate Challenge at Sands China Ltd.

Food waste not only wastes food but also all the resources that went into making it such as water, nutrients and land. At the same time, one in nine people suffer from hunger globally. Twice a year, Sands China Ltd. hosts the Clean Plate Challenge twice a year to encourage Team Members to reduce food waste and inspire them to live a sustainable and healthy lifestyle.

The most recent three-day activity challenged Team Members in the dining rooms to take only what they would eat and return a clean plate – a challenge that was completed a total of nearly 31,300 times. Team Members were also shown how to properly separate plate waste into food waste and general waste bins, ensuring that any leftover food is sent to the food digester, not the incinerator. In 2019, this initiative resulted in more than 97,000 clean plates at Sands China Ltd!



Another Remarkable Year of Sustainability

It's been a year filled with outstanding achievements thanks to the hard work of our Team Members and executive leadership.



CDP & DJSI ACCOLADES PUT LAS VEGAS SANDS AT TOP OF SUSTAINABILITY PACK

LVS is proud to once again be recognized as a global leader in environmental, social and governance performance by CDP, the Dow Jones Sustainability Index (DJSI) and FTSE4Good, some of the world's leading environmental disclosure organizations. We achieved the highest possible score for our response to CDP Climate and also retained our leadership position with DJSI and FTSE4Good.

STARRING IN THE GREAT GREEN FOOD JOURNEY: MACAO

"Sustainability in gastronomy goes beyond what you see on your plate. Prominent chefs in Macao's famed food scene are taking menus back to basics for sustainability's sake." National Geographic and Macao Tourism Government Office teamed up to create The Great Green Food Journey: Macao, a video series which spotlights local chefs and restaurants embracing sustainability.



LEED®(ERS) IN ASIA



The Sands Expo and Convention Centre at Marina Bay Sands and The Parisian Macao achieved the prestigious LEED (Leadership in Energy and Environmental Design) certification. The Sands Expo and Convention Centre at Marina Bay

Sands is the first MICE (meetings, incentives, conferencing, exhibitions) venue in Asia Pacific to achieve LEED Platinum for Building Operations and Maintenance. The Parisian Macao is the first Integrated Resort in Macao to achieve LEED Silver for Building Design and Construction. The accolade marks the company's devotion to designing and operating our resorts sustainably.

RAMPING UP RENEWABLE ENERGY GLOBALLY

This year, The Venetian Resort Las Vegas and Sands Expo and Convention Center partnered with NV Energy to procure enough renewable energy certificates to meet 100% of campus electricity needs. Sands China Ltd. built a large solar thermal plant in Macao that will supply heating, cooling and hot water to The Sheraton Grand Sky Tower in The Londoner. Lastly, Marina Bay Sands procured enough renewable energy credits to account for 10% of their total electricity use.



MAKING ONE MILLION

In 2015, we set a goal of achieving one million Sands ECO360 actions by 2020. With the help of our passionate and dedicated Team Members we achieved our goal one year early! Our global workforce of approximately 50,000 Team Members engaged on issues ranging from hunger and hygiene to biodiversity and climate change. Activities like the Clean Plate Challenge, hygiene kit packing, tree planting, film screenings and garden planting helped us reach our goal.

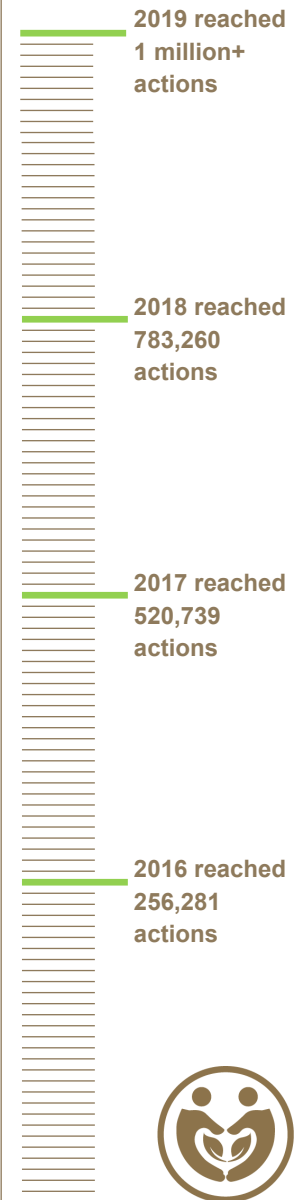
SINGLING OUT PLASTIC

The cost of plastic to our planet is becoming far too great. Since first adding this key issue to the Sands ECO360 strategy in 2018, we have hit some key milestones.

- Sands China Ltd. replaced the annual use of 6.5 million plastic takeaway containers, utensils and cutlery sets with plant-based alternatives.
- More than 11 million plastic straws were eliminated or replaced with a sustainable alternative in owned operations globally.
- More than 3,100 Team Members participated in a global screening of *A Plastic Ocean* and the Plastic Free July campaign where they learned about how plastic is harming our planet.
- The Venetian Resort took key steps to replace single-use plastics in the Team Member dining rooms and is looking to reduce plastic in laundry services in 2020.
- Marina Bay Sands conducted a robust single-use plastic life cycle assessment with the non-profit organization Forum for the Future that will shape the Sands ECO360 plastic strategy moving forward.



Meeting the One Million Sands ECO360 Actions Goal



We'd love to hear from you

Please email us your comments or questions at: SandsECO360@Sands.com

IN THE NEXT ISSUE

THE YEAR IN NUMBERS
SOLAR BUDDY LIGHT BUILD