

**Highlights of this issue >>>**

- *Sands Recycles 2015 – Global Events*
- *Climate Change recognition from CDP & DJSI*
- *Wellbeing at IMEX America*

**Sands ECO360° Quarterly***“More than just ideas...these are our steps to action”**By: Rene Brana, Global Sustainability Manager***Sustainable TM Events >> Global****Sands Recycles 2015**

Every year we hold three global Sands ECO360 events focused on conservation to remind our Team Members of the importance of saving energy, food waste reductions and recycling. The Sands Global Recycling Event 2015 was held in the fourth quarter and each property celebrated it in a different way. Sands Bethlehem conducted three weeks of recycling activities beginning with America Recycles Day on November 15<sup>th</sup>. The first week focused on confidential paper shredding and recycling, the second week featured electronic waste recycling, and in the final week the team held an educational event with recycling themed games. Sands Bethlehem collected more than 1,900 pounds of recyclable materials over the course of the three weeks.

The Venetian, The Palazzo and Sands Expo in Las Vegas started their program even earlier with the Safe Street Sustainable Booth Halloween competition in October, followed by a clothes, shoes and toys for the holidays donation drive. Sands China Ltd. (SCL) also hosted a second hand clothes donation drive to give back to their community. To push the bar a little higher, SCL initiated a “Clean Your Office” campaign and “Battery Recycling Challenge” which diverted more than 25 tons of old paperwork, batteries, and other material from the waste stream. Marina Bay Sands organized an annual gift drive benefiting the less fortunate called, “Go Green for the Holidays” that attracted more than 220 Team Members. Their participation led to the donation of 46 boxes (each box contains approximately 40 articles of clothing) to the Singapore Council of Women Organization (SCWO) and 25 boxes of toys to Food from the Heart. Food from the Heart provides the toys to children in need who otherwise would not receive gifts over the holidays.

**CEM Energy Efficiency Seminar in Macao**

CEM (Companhia de Electricidade de Macau), the electricity provider for our properties in the region, invited our Sands China Ltd. (SCL) team to share best practices in energy efficiency. The utility provider selected SCL out of dozens of other companies in Macao because of our leadership in reducing energy consumption in the hospitality sector. The SCL team has extensive knowledge in this area. Their efficiency measures have saved more than 70 million kWh of energy in 2014 alone.

The rapid development in Macao has created an energy shortage in the city and presented a new challenge for the growing hospitality industry. This results in the increased importation of electricity generated by coal-fired power plants in mainland China. Knowledge sharing and collaboration are needed to continue driving innovation in energy conservation and carbon footprint reductions in the region. The team at SCL is proud to be part of this effort!



## Las Vegas Sands Recognized for Climate Change Leadership



Pictured (from left to right): Jenny Yu-Mattson, Director of Global Sustainability at Las Vegas Sands Corp.; Lance Pierce, President of CDP North America; Eric Dominguez, Director of Engineering & Environmental Affairs at Caesars Entertainment

Las Vegas Sands Corp. (LVS) has been recognized by the CDP as a leader for disclosing its actions to address climate change for a second year. CDP is a global non-profit, focused on encouraging companies to achieve transparency through the disclosure of environmental strategies and performance. This recognition is noteworthy, because it is the first time that our company has achieved a position on the leadership indexes for both disclosure and performance. Companies submit their environmental performance data annually and are scored based on the completeness of their disclosure and their environmental performance that year. The companies who score the highest in performance are awarded the A-list designation and those who rank in the top 10% in disclosure are included in the Climate Disclosure Leadership Index (CDLI). LVS is one of only two hospitality companies and the only gaming company to achieve a rank on both the CDP A-List and CDLI, showing our commitment to addressing both climate change issues and the disclosure of climate change information. LVS scored an impressive **99 out of 100 in disclosure and an A in performance (performance ranks are A, B, C, D, and E, with A being the highest)** during the 2015 CDP reporting cycle, its highest score achieved to date. This accomplishment definitely pushes the bar higher for 2016. Thanks to the support of Las Vegas Sands' Team Members globally, the sustainability team is ready to meet that challenge!



Pictured: Steven Fernstrom, Sustainability Manager at Sands Bethlehem

## Bethlehem's Quilt-a-thon

As part of a joint effort between Simple Quilts, teams from Sands Bethlehem Community Relations, Wardrobe, Hotel Operations, Laundry and Sustainability spent a day volunteering their time, sewing quilts for the less fortunate. Sands Bethlehem has collected close to 6,000 pounds of used bed skirts, scarves, sheets and linen as the raw material for the quilts over the span of the partnership between Simple Quilts and Sands Bethlehem. As a result of this program, more than 5,000 beautiful quilts have been donated to local shelters, displaced veterans and other charities across the Lehigh Valley where Bethlehem is located. This heartwarming partnership takes place during the holiday season, a time when these donations were able to benefit the people who need them the most.

## The Winds of Change in Macao

An exciting renewable energy pilot project was recently completed at Sands Macao. The property replaced six pole mounted lights with MicroWind turbines which harness energy from the wind. What makes these even more impressive is that the lights also have a small solar panel on the top to harness the sun's energy. The energy collected by the wind turbine and solar panel is stored and used at night to power LED street lights. The project will be monitored over the upcoming months to determine how this innovative technology performs.



If the project meets our return on investment and performance expectations you may end up seeing more of these at our Macao properties in the future!

# From Belgium with Sustainability – an Interview with Chef Emmanuel Zoppas



Above: Chef Emmanuel Zoppas, The Venetian | The Palazzo.

This quarter, our Sands ECO360 spotlight is on the Team Member dining room kitchen in Las Vegas. Chef Zoppas has more than 20 years of experience creating culinary delights around the globe. Speaking with Chef Zoppas, we explored how sustainability has helped shape both his career and his kitchen.

**ECO360:** What is your current role with the company?

**EZ:** Chef de Cuisine

**ECO360:** What inspired your interest in sustainability and sustainable seafood in particular?

**EZ:** I used to buy fish from the local fish market back in the 90's. I would see the large fisheries using huge nets, unloading thousands of pounds of fish at a time. I thought to myself, "at this rate, humans will empty out the oceans in no time!" This was the point when I started paying more attention to these issues. I stayed informed on seafood sustainability by following groups like Seaweb, Seafood Watch, and The Monterey Bay Aquarium.

**ECO360:** Can you tell us more about the new menu for Las Vegas and what inspired you to replace the tilapia with cod?

**EZ:** It has been a long journey. Introducing healthier menu options for the Team Members is not an easy task. It's very challenging due to the ethnic diversity within our property here in Las Vegas. Everyone has slightly different palates. So, we've taken a different approach by introducing healthy options that our Team Members can identify with. For example, our mixed greens at the salad bar are certified organic. More than 55% of our fruits and vegetables come from the U.S.

Regarding the cod, we studied the research available on cod and tilapia as well as on farmed and wild-caught fish. We learned that it is important to consider both species and fishing methods. When selecting fish, it is best to choose fish that are responsibly sourced. Look for certification labels like those from the Marine Stewardship Council (MSC) who sets the standards for sustainable wild fishing, or the Aquaculture Stewardship Council (ASC) who does the same for farmed fish.

In Vegas, we consumed more than 22,980 lbs. of tilapia between both of our Team Member dining rooms last year. After some careful investigation, our purchasing team found a sustainable Pacific cod that was a cost effective alternative. The North Pacific cod that we purchase now, is a wild-caught cold water fish certified by the Marine Stewardship Council (MSC). This certification ensures that the supplier is meeting three core principles: First, ensures that the species is not overfished. Second, uses fishing methods that limit the harm to the environment. Last, complies with the law and manages the operation responsibly.

**ECO360:** Do you take any steps to spread the message of sustainability to the rest of your team?

**EZ:** We recently added a section to our pre-shift meetings on sustainability to educate our team. Education is where change begins. If people are not educated on a topic, they cannot take steps to change what they don't know.

**ECO360:** How will sustainable food benefit both our company and Team Members?

**EZ:** There are a number of benefits. Switching to cod from tilapia is better for the health of our Team Members. This is because tilapia is low in heart healthy Omega 3 fatty acids, while cod is a rich source of these fatty acids. Another benefit is the fact that by choosing sustainable cod we are not depleting global fish stocks. Cod is abundant in the North Pacific and can be fished year-round.

**ECO360:** Do you have any other sustainable food ideas that we should be on the lookout for?

**EZ:** Yes, there are a few! One is a partnership we are working on to donate untouched food from the Team Member dining areas to local charities. The other will be to introduce a new certified organic product that is produced domestically to the menu. It will not only be healthier for our Team Members, but will also reduce about 1,100 pounds of plastic waste by eliminating a lot of packaging.

*Interested in what we can do to protect our blue planet? Watch the documentary "Mission Blue" by world-renowned oceanographer Sylvia Earle.*

<https://www.youtube.com/watch?v=B1wp2MQCsfQ>



## 2015 Singapore Sustainability Awards

The Sustainable Business Award was presented to Marina Bay Sands (MBS) by the Singapore Business Federation in October. This award is significant for MBS because of its focus on responsible business practices and innovative green technology solutions.

The judges evaluated more than just the environmental sustainability of the companies' operations. The main goal of the panel was to see how well MBS has integrated the economic, social, environmental, health and safety aspects together as a comprehensive package. The most impressive part of this achievement is that this award is not specific to hospitality but included submissions from all major industry sectors in Singapore. MBS was one of four winners in the "large enterprise" category and the only member of the hospitality industry to receive the Achievement of Excellence award. The industries that were recognized ranged from manufacturing and agribusiness to the shipping industry. Talk about tough competition!



Pictured from left to right: Ho Meng Kit, CEO Singapore Business Federation; Raymond Koh, VP Facilities at Marina Bay Sands; Masagos Zulkifli Bin Masagos Mohamad, Singapore Minister for the Environment and Water Resources

## ArtScience Museum Conversation Day in Singapore



Last quarter, we covered the "The Art and Science of Sustainability" event held in partnership between Marina Bay Sands (MBS) and the ArtScience Museum at MBS. On October 10<sup>th</sup>, as a continuation of the event, they organized a day long speaker series titled "From the Endangered to the Sublime: Global Eco-Systems." The ArtScience Museum brought together leading researchers, artists and scientists for a discussion focused on the world's biodiversity. The dialogue was co-hosted by Kevin Teng, Executive Director of Sustainability at MBS. Some of the notable speakers who attended include Eric Valli (author and photographer), Michael Aw (author, conservation photographer and explorer) and Shawn Lum (tropical rainforest ecologist). Eric Valli is a geographical photographer best known for his work with National Geographic Magazine. He is an expert on the Himalayas, with a focus on Nepal. Michael Aw, a fellow explorer with a focus on conservation photography, is considered to be one of the world's most influential nature photographers. His work has been published in a number of publications including National Geographic, the Smithsonian and Discovery to name a few. The final speaker, Dr. Shawn Lum, is a tropical rainforest ecologist focused on the diversification of tree species. Aside from being a lecturer at Nanyang Technological University in Singapore, he is also the President of the Nature Society (Singapore). The audience was engaged in the discussion and had a number of questions for the speakers which helped make the exchange interactive and educational. The conversation focused on how to better manage our impact on global biodiversity and how to improve our environmental stewardship. They even received a sneak peek at ongoing research in marine science.

To explore some of the exhibitions please visit the ArtScience Museum's website here:

<http://www.marinabaysands.com/museum/exhibition-archive/art-and-science-of-sustainability/about-the-exhibitions.html>

# Nevada Recycled Art Contest – from trash to treasure

For the second year, The Venetian and The Palazzo in Las Vegas have co-sponsored the Nevada Recycled Art Contest with the Department of Conservation and Natural Resources of Nevada. The goal of the contest was to help change the way we look at waste by focusing on reuse instead of disposal. Participants were challenged to create art pieces out of recycled material and were judged on creativity, appearance, workmanship and reuse of materials. There were more than 160 entries this year, an increase of 60% from 2014. Participants ranged from kindergarten students to adults. Pictured below are the 1<sup>st</sup> place winners for each category. Congratulations to all of the participants for their hard work on these recycled masterpieces!

Take a look at the other inspirational pieces at the NDEP flickr page here: <https://www.flickr.com/photos/nevadarecycles/albums>



From left to right: First place winners from the Grade K-5, Grade 6-8, Grade 9-12, Class and Adult categories

## Green Meetings – Wellbeing at IMEX 2015

The IMEX America 2015 show was one of the most sustainable events ever held at The Venetian, The Palazzo and Sands Expo. IMEX America is considered the largest travel and meetings industry trade show in the United States, drawing more than 10,000 attendees from around the world each year. The event has been held at the Sands Expo since 2011 and has become greener with each passing year. The Las Vegas team collaborated with the event organizers early on to add a number of new and exciting sustainability initiatives in 2015.

IMEX expanded beyond the environmental and social responsibility focus of previous years and launched “Be Well at IMEX America,” to help the attendees feel refreshed and revived throughout the show. The event started with the keynote speech delivered by Lee Papa titled, “How to Live and Lead Mindfully.” A meditation room was set up (picture) to allow the attendees some time to decompress during the day through guided meditations. Many exhibitors supported the “Be Well at IMEX” initiative on the show floor by providing smoothies, juices, healthy snacks, relaxing massages, and healing foot balms. IMEX also sponsored a free 5 km run to further promote physical activity.

Another highlight of the event was a new program focused on food called Water Wise Wednesday. The program highlighted food that takes less water to produce. For example, a burger made from turkey takes two thirds less water than one made from beef. If everyone at IMEX America ate one turkey burger instead of a beef burger, the conference attendees would save 3.3 million gallons of water!



## MBS' Green Corner Competition

Marina Bay Sands' Green Corner Competition challenged departments to create a "Green Corner" in their offices using recycled materials. This year, 19 teams participated using items collected from their office or their homes. The artwork was then evaluated on its use of eco-friendly materials, educational potential, overall design, usability (can the space still serve its original purpose) and its impact on the environment. Player Development was crowned the overall winner this year. They created a mural and chose Groot from "Guardians of the Galaxy" as their mascot. The mural and mascot were constructed from discarded newspaper and cardboard boxes. "Groot is our mascot and he supports our go green project. We added a speech bubble from leftover foam boards with the message: 'Today's waste is tomorrow's shortage. Reduce, reuse, and recycle!' to help remind our Team Members of the importance of conservation", shared Karina Calvero, Customer Relations Executive.



Top: The winning submission from Player Development  
Bottom: Call Center's submission

## Sustainable Holiday Booth at Sands Bethlehem



Above: Team Members show their sustainable holiday spirit by peddling to power the Holiday Tree

Sands Bethlehem kicked off the holiday season with their Holiday Tree Lighting ceremony. To share the spirit of sustainability with guests and Team Members, the team set up a holiday booth in the retail outlets. The booth included a banner with green holiday tips like "look for Christmas tree recycling programs in your community" and "avoid plastic shopping bags, pick up some reusable". The team also handed out reusable shopping bags to guests. They even provided entertainment by lighting the tree with electricity generated by a Team Member powered bicycle! Guests and Team Members watched to see if the Team Member "power bike" could keep the tree lit for the entire 2 hour event!

## Club Ride Star Employer Partners Award



Pictured (from left to right): Darcy Martinez, Senior Engagement Specialist at The Venetian and The Palazzo; Maria Jose Norero, Spanish Outreach Coordinator with Club Ride – RTC Contractor

The Venetian and The Palazzo in Las Vegas have made notable progress in providing alternative transportation options for our Team Members over the years. In recognition of these efforts, both properties recently received the "Star Employer Partners" award from the Regional Transportation Commission of Southern Nevada (RTC). The award was presented to the employer who exhibits substantial growth in registrations, reporting and overall participation in the Club Ride program. Club Ride was created by the RTC to encourage the use of alternative ways to commute in Las Vegas. The RTC works with employers to promote a mix of options such as carpooling, public transit, walking, biking and even telecommuting - all in an effort to reduce vehicle fuel consumption and improve the air quality within the city. Team Members at The Venetian, The Palazzo and Sands Expo are offered an array of great benefits. Some of these benefits include discounted bus tickets, preferential carpool parking and monthly prize drawings when Team Members choose an alternative form of transportation, such as taking a bus to work instead of driving. Throughout 2014 and 2015, this engagement resulted in a 46% increase in the Club Ride program. Additionally, from January 2015 to October 2015, an average of 290 Team Members participated in this initiative each month, helping to offset more than 120 tons of Greenhouse Gas emissions. This results in a program that creates a positive impact on the local community by reducing the number of vehicles on the road, ultimately improving the air quality in the Las Vegas valley.

# 2015: Our Journey to Sustainability

## *Dow Jones Sustainability Index >>>*

Las Vegas Sands Corp. (LVS) has been recognized for the first time in the Dow Jones Sustainability Indices (DJSI) for its industry leading corporate sustainability efforts in North America. LVS achieved particularly high rankings in the areas of environmental dimension, supply chain management, and stakeholder engagement.



## *CDP – A-List and Climate Disclosure Leadership Index (CDLI) >>>*

Las Vegas Sands reached a milestone with the achievement of both the CDP A-List and CDLI indexes. The CDP A-List includes the top five percent of the more than 5,500 companies participating in CDP's Climate Change program. The CDLI ranking was earned for disclosing high-quality carbon emissions and energy data. Companies who achieve a rank in the CDLI, represent the top ten percent of all responses to CDP's Climate Change questionnaire.



## *BCA Green Mark Platinum >>>*

Marina Bay Sands (MBS) surpassed its 2012 achievement of Green Mark Gold by receiving its Platinum certification. BCA Green Mark is intended to promote sustainability in the built environment and raise environmental awareness among developers, designers and builders from the start of project conceptualization and design, as well as during construction.



## *Macao Green Hotel Gold Award >>>*

The Venetian Macao received its second consecutive Gold level award and Sands Cotai Central achieved its first Gold Level award. The Macao Green Hotel Award began as a collaborative effort between the Macao Environmental Protection Bureau and the Macao government tourist Office. The focus of the award is to increase awareness of environmental management practices in Macao's hotel industry and to commend the hotels which have adopted environmental measures.



## *Green Leaders Award - Las Vegas Business Press >>>*

The Las Vegas property received a unique award for their environmentally responsible remodel and renovation practices. The project resulted in a savings of 1.1 million kWh of electricity and more than 5 million gallons of water, as well as the reduction of 622 metric tons of greenhouse gas emissions.



## *U.S. Department of Energy (DOE) - Better Buildings Challenge >>>*

The Venetian, The Palazzo and Sands Expo in Las Vegas, as well as Sands Bethlehem in Pennsylvania, joined the Better Buildings Challenge in January. The initiative, which was developed by the DOE, challenges properties to improve the energy efficiency of their building portfolios by 20 percent over ten years.



## *Newsweek Green Rankings >>>*

Las Vegas Sands achieved the highest rank in the hospitality sector globally. The rankings compare the data of the 500 largest companies both globally and in the U.S. The Newsweek rankings measure the level of transparency in environmental reporting and the performance of the world's largest companies.



## *In the Next Issue >>>*

- **I Will If You Will/Earth Hour 2016**
- **Our 2015 Environmental Performance**

*We'd love to hear from you! Email your comments and/or questions to:  
[SandsECO360@Sands.com](mailto:SandsECO360@Sands.com).*