

Growth & change is upon us.

Welcome to the first edition of MGM GoGreen newsletter. We look forward to sharing our journey of sustainability with you all.

“For us at MGM, sustainability is all about a call to actions; actions that will make a difference to our people; actions that will bring us together with our community and with our fellow team members. We know the world has finite resources, therefore we must put more back in to it than we take out.”

Grant Bowie

CEO and Executive Director of MGM China Holdings Limited

Feature Story

Flattening the carbon emission curve during COVID-19

During the slowdown, we have achieved remarkable reduction in our carbon footprint, from our energy consumption to water usage. While these changes are short-term in nature, we have gained insights and knowledge that could help us flatten our carbon emission curve in the long run.

Don't get us wrong. COVID-19 is a terrible event. As a business, we have witnessed the economic trauma firsthand. Under the leadership of the Macau government, the situation seems to be under control and the community is well positioned for a strong comeback when this is over.

When we knew that we had to close our casinos and restaurants, our priorities were to ensure the safety of our guests, employees and our buildings. We shut down the buildings proactively and strategically with detailed action plans to preserve the buildings and the assets inside.

From February 5 to February 20, through ramping down the unnecessary equipment, our carbon emission has decreased by 751,686kg and we have saved 29,850m³ of water that could fill 67 times the size of MGM COTAI's swimming pool compared to the same period in 2019. Our electricity consumption was down by 37% at MGM MACAU and by 29% at MGM COTAI; gas consumption was down by 49% and 98% and water consumption was down by 72% and 77% respectively.

Sustainability actions during closedown

- Ramp down the chiller plant
- Shut down the chiller during night time from 10pm -7am
- Minimize normal lighting for casino areas
- Minimize normal lighting for kitchen area
- Put our lift service in low energy mode



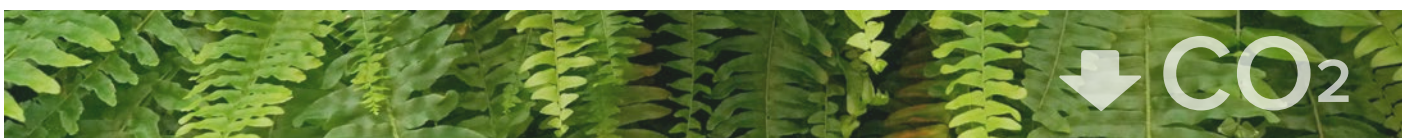
Even after our reopening, we continue to register significant savings in electricity and water consumption.

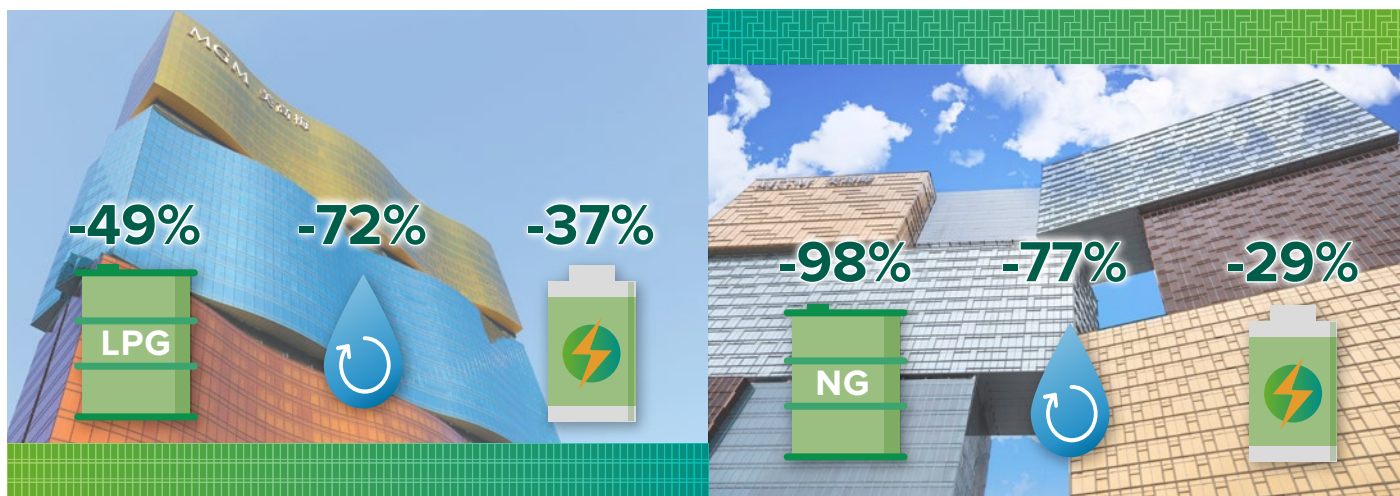
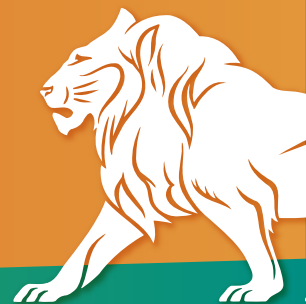
According to Greg Meares, Vice President of Facilities Management, it was the result of a collaboration and he cites “communications with operational departments up and down the organization” as a key task to the list of measures to find the “middle ground”.

Moreover, the closure was a unique opportunity for the FM team to understand the intricacy of our buildings and to re-establish our baseline energy needs.

“Once you are opened, you stay open,” says Greg. “It is not every day that we get to push the reset button and experiment with an emergency mode.”

Greg reflected further on the takeaway from the closure and slowdown. “Our response to the Covid-19 crisis has helped us understand our buildings better, and there are certain ideas to be explored to improve our green building strategy and to increase our resilience for any future unpredictable events.”





Spotlight

ISO 50001 – An upgrade to our energy management

Burning fossil fuel to produce energy is one of the key factors responsible for climate change. Aware of our impact on the environment, MGM leans in ISO 50001 certification to further reduce carbon footprint.

While ISO 14001 certification we achieved last year encapsulates areas of our operations in respect to environmental protection, ISO 50001 brings a sharp focus to our energy management system. Both MGM COTAI and MGM MACAU received certification for ISO 50001.

“ISO 50001 brings a systematic approach to support MGM to improve our energy performance. It not only establishes the governing guidelines and procedures; but it also strengthens our ability to track and improve the energy performance of our facilities with the best practices possible.” says Peter Chan, Vice President of Facilities Management.

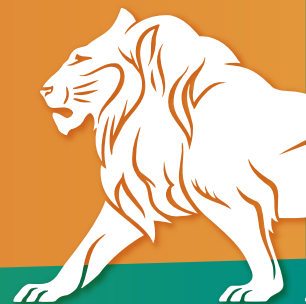


Optimizing MGM's energy performance has been a serious focus and passion for Peter and his team. Since 2013, the energy consumption of MGM has been driven down by our active management, innovative use of technology, and intelligent monitoring.

Compared to our 2013 baseline usage for MGM MACAU, we have achieved a 19% energy reduction in 2019. It is worth noting that this reduction has been achieved against a backdrop of increasing occupancy and business growth. Even with MGM COTAI, the first mega-size complex project in Macau that has earned the Three-Star certification under the China Green Building Design Label, setting an incredibly high standard in sustainability, our energy performance has shown improvement with year-on-year reductions since we opened in 2018.

“Our approach to carbon emission is strategic and comes from the mindset that nothing is impossible. We strive to drive our energy consumption and carbon emissions down through continuous innovation in data analytics and building management system,” says Peter Chan.





Briefings

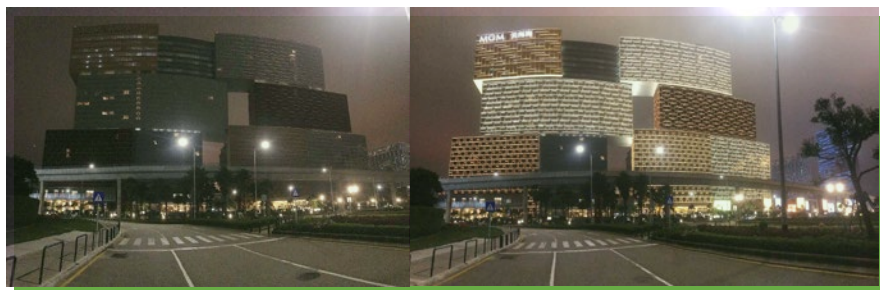
Chauffeuring in GREEN mode



Since 2018, MGM has introduced ten electric buses to the fleet, and installed EV charging stations at our properties. At MGM COTAI, we have 5 charging stations for E-buses and 8 stations for cars available to both our guests and team members, whereas we have 1 universal charging station for our team members at MGM MACAU.

Together with our guests and employees, we are travelling to a sustainable future together.

Earth Hour - March 28, 2020



On March 28, 2020, MGM MACAU and MGM COTAI took part in the worldwide movement Earth Hour by switching off non-essential lighting for one hour to raise awareness on climate change.

Scan me!

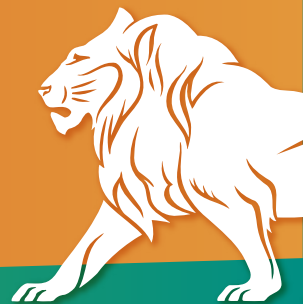


Eco-therapy ideas at home!

There is no better way to treat yourself to some eco-therapy at home. Scan the QR to discover how you can grow a plant using simple household items that can be easily repurposed.

The video was published on March 12, 2020 in celebration of National Tree Planting Day in China.





Staff corner

Carbon Reduction Tips from Our Employees

In light of the theme of this issue, we invited our team members to share their carbon reduction tips with us.

The carbon footprint of a plant-based meal is about half of that of a meat-lover's meal.

Catarina Coimbra
Sustainability



We can reduce carbon footprint by taking public transportation. Macau's Light Rapid Transit is my favorite.

Cassandra Tan
Employee Communications



Turning off electronics when not in use can reduce energy use.

Kitty Kuok
Slots Operations



DID YOU KNOW?



We each consume about 8000 kWh of electricity in Macau each year! Electricity is the biggest source of greenhouse gases emissions in Macau! And we have seen an upward trend in GHG emissions due to increased usage of electricity.

Think Globally, Act Locally – 3 things you should do to save energy

1. Switch to LED light bulbs instead of conventional light bulbs to save up to 25-80% of energy
2. Set your AC temperature to 24°C instead of 20°C to save up to 24% of power
3. Drive electronic cars instead of gasoline cars to reduce, on average, 31% emissions

MGM's five pillars of sustainability

Energy and Water Conservation



Green building



Waste and Recycling

Green Procurement



Education and Outreach