Las Vegas Sands Corp. strips annual electricity use with energy-efficient GE lamps

Meeting spaces and guest room updates reduce lighting spend nearly $2 million a year

THE SITUATION

As part of its commitment to environmental responsibility at its leading resort and meeting properties, the Las Vegas Sands Corp. (Las Vegas, Nev.) sought to complete an expansive energy-efficient LED lighting upgrade to its meeting spaces at The Venetian|The Palazzo Las Vegas. Las Vegas Sands chose GE’s energy smart® BR30 LED lamps, a product of ecomaginationSM, to replace traditional halogen bulbs in these conference spaces.

“The team at GE Lighting impressed us with the range of products that help us conserve even more energy without sacrificing the high aesthetic standards that our meeting and convention customers expect of a five-diamond resort and meeting center.”
- Norbert Reizler, senior vice president and chief procurement and sustainability officer at Las Vegas Sands

THE SOLUTION

More than 5,700 GE BR30 LED lamps replaced halogen bulbs in environmentally sensitive meeting rooms at The Venetian|The Palazzo. The 12-watt lamps, with a rated lifespan of 25,000 hours, will require fewer change outs and use 108 fewer watts per fixture than the 120-watt bulbs they replaced.

This will reduce the resort’s annual electricity use by nearly 4.1 million kilowatt hours (kWh), saving more than $400,000 in lighting costs that can be applied to other initiatives demonstrating Las Vegas Sands’ environmental commitment.

OPERATING IMPACT

- More than $400,000 annual savings in meeting rooms
- $1.6 million annual savings in guest suites

ENVIRONMENTAL IMPACT

Collectively, The Venetian|The Palazzo and the Sands Expo Center is one of the world’s largest USGBC LEED®-EB Gold certified buildings.
GE’s innovative lighting products meet the high aesthetic standards of Las Vegas Sands’ five-diamond resort and meeting center.

GE’s LED lighting solution further enhances Las Vegas Sands’ comprehensive Sands ECO 360° Global Sustainability strategy that features an array of best practices in four integral areas—green buildings, environmentally responsible operations, green meetings and stakeholder engagement.

Las Vegas Sands first partnered with GE in 2010, investing in GE’s LED and compact fluorescent lighting (CFL) at The Venetian|The Palazzo, where 7-watt PAR20 LED lamps and 10- and 15-watt CFL bulbs were installed in more than 7,000 guest suites. These updates saved approximately $1.6 million in annual lighting costs.

As a result of GE’s more energy-efficient solutions, Las Vegas Sands has reduced its annual lighting spend by about $2 million overall including savings in suites and meeting spaces combined. Including these lighting updates and other sustainability initiatives, The Venetian|The Palazzo, in conjunction with the Sands Expo Center, is the first and only property on the Las Vegas Strip to receive U.S. Green Building Council (USGBC) LEED® Certification for Existing Buildings. Collectively, The Venetian|The Palazzo and the Sands Expo Center represents one of the largest LEED-EB certified buildings in the world.

For more information on the GE Lighting products used in this project, visit gelighting.com/LVSC.

GE’s PAR20 LED lamps and CFL bulbs were installed in guest suites, saving approximately $1.6 million in annual lighting costs.