



CASE STUDY: PEPPERMILL RESORT SPA & CASINO

LEDs Light Up Peppermill's Energy Savings

Saving energy and serving as an environmental steward is nothing new for the Peppermill Resort Spa & Casino in Reno, Nevada. The property boasts its own onsite geothermal power plant for heating, uses artificial turf that saves more than one million gallons of water a year and has an Aqua Recycle System that recycles up to 83% of the laundry's gray water. Facility managers also identified a significant opportunity to replace all of the parking lot light fixtures with energy-efficient LEDs.

Combined with sister property Western Village Inn & Casino in Sparks, Nevada, the project switched out 406 1,000-watt metal halide light fixtures. The project earned a rebate from NV Energy based on the reduction of energy usage. With the rebate and projected savings on electric bills, the Peppermill expects a return on its investment in less than two years.

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Project Summary

LED benefits include evenly distributed directional light, consistent light output over the lifetime of the bulb and fixtures that produce very little heat, which can help lower cooling costs. ENERGY STAR®-qualified LEDs use approximately 75% less energy than incandescent fixtures.

Working with NV Energy PowerShift Energy Advisors, the executive director of facilities at the Peppermill created feasibility worksheets that included data on each property's energy usage along with the costs and expected savings of the LED lights.



Energy-saving Equipment

The executive director of facilities said that the project was a simple decision after looking at the numbers, especially with how quickly the Peppermill expected a return on the initial investment. He notes that after the new equipment was installed, the Western Village had a 90% energy reduction.



Project Results

Building Type: Hotel/casino

Project Type: Retrofit

Measures: LED lighting

Incentive: \$92,000

Projected Annual kWh Savings: 1,570,927