



CASE STUDY: BOYD GAMING

Laundry Facility Earns LEED® Certification

The Boyd Gaming laundry facility in Henderson, Nevada, processes approximately 48,000 pounds of laundry per day from the company's nine Las Vegas properties. With loads increasing beyond the capability of its existing 100,000-square-foot processing warehouse, Boyd saw an opportunity to completely renovate the facility. The project's sustainable design elements targeted resource conservation, employee health and comfort, and local economic development.

The design process included energy modeling simulations to identify the most beneficial combination of energy- and water-saving strategies. Electricity savings were achieved through a wide range of measures, including the installation of daylighting controls and occupancy sensors, energy-efficient lamps, skylights to reduce lighting needs, window film to reduce solar heat gain, and high-efficiency HVAC units to serve the production and office areas.



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Project Summary

A major focus of Boyd's renovation project was to improve employee comfort. Boyd now provides access to daylight through skylights, increased ventilation of filtered fresh air, and took steps to keep chemicals and fumes out of indoor spaces. This sustainable design project delivers productivity benefits that may surpass the significant cost savings achieved through reduced energy consumption.

The building is now a Silver level LEED-certified laundry facility. Non-electricity strategies implemented at the Boyd facility include using environmentally friendly detergents, reusing original building materials in the renovation and sourcing local building products. Plus, they implemented major process and technology improvements, helping to save 22 million gallons of water each year.



Energy-saving Equipment

A range of efficient lighting and HVAC measures implemented at the Boyd Gaming laundry facility reduced annual electricity consumption by an estimated 713,000 kWh per year. By drastically reducing electricity consumption, Boyd's sustainable design project is saving more than \$60,000 in annual energy costs. Even greater savings may be achieved through reduced water use and improved productivity.



Project Results

Building Type: Laundry processing facility

Project Type: New Construction

Measures: Design and construction of a LEED-certified building incorporating energy- and water-saving measures

Incentive: \$87,000

Projected Annual kWh Savings: 713,000