



Tropicana Casino Resort Energy Efficiency Project Engineer of Record

PROJECT INFORMATION

CONCORD DIVISION

Commercial

PROJECT LOCATION

Laughlin, NV

MARKET

Gaming

SERVICES

Energy Efficiency



PHASE 1

PROJECT OVERVIEW

Total Completed
Contracts \$673,671

Rebates & Incentives
\$89,660

Annual Energy Savings
\$261,806

Internal Rate of Return
43%

Investment Recapture
Period 2.3 years

10 Year Positive Cash
Flow \$2,013,288

PROJECT SUMMARY

The property originally opened in 1988. It is a multi-use facility with two large hotel towers consisting of 1498 rooms, casino gaming floor, several restaurants, meeting and convention space. The property/real estate is now owned by Gaming Leisure Property, Inc. from Wyomissing, PA. The property is operated by Eldorado Casino Resorts in Reno, Nevada. Rich Energy Solutions worked with Concord Engineering to develop a multiphase plan for the facility. Phase 1 was completed for the energy efficiency retrofit in April of 2018,

Phase One consisted of a major LED lighting retrofit with new "Green" LED building was lights, more than 5,000 LED interior lights and new LED parking garage fixtures. The building did not have a connected building management system (BMS) for the casino floor. A web-based open protocol BMS which now controls the chillers, boilers, cooling towers and pumps for the casino floor was installed. Phase 2 consists of a chiller optimization system and new hot water boilers.