

NEVADA SURE BET PROGRAM

Offered By: NV Energy

Administered By: KEMA Services, Inc

Cold Cathode Compact Fluorescent Conversion

Facility Description

Harrah's Reno is a 928-room hotel featuring a 60,000-square-foot, 24-hr casino along with headline entertainment, 7 restaurants, and 15,000 square feet of convention space. Harrah's is located in the heart of downtown Reno and has received the Mobil Four Star Award.

Project Overview

Harrah's recently converted 8,000 incandescent lamps on outside decorative signs to cold cathode compact fluorescent lamps (CFLs). The cold cathode lamps use a fraction of the energy that a clear incandescent lamp uses yet look just as bright. Harrah's replaced 7,000 11-Watt incandescent lamps with 2-Watt cold cathode lamps for an 82 percent reduction in energy use. The other 1,000 25-Watt lamps were replaced with 5-Watt cold cathode lamps for an 80 percent reduction in energy use. Special care needs to be taken when calculating the energy and demand savings for outdoor signs. If the signs use lamps that scintillate, energy and demand savings are reduced by the on-versus-off rate.

Mike Moore, Facilities/Engineering Manager, stated that the new lamps look even better than the old lamps when they are on at night.



Harrah's Outdoor Sign and the New Cold Cathode CFLs

Project Results

	Total
Energy Savings	353,540 kWh
Demand Savings	41.5 kW
Project Cost	\$60,345*
Sure Bet Custom Incentive	\$10,000
Annual Energy Cost Savings	\$35,354
Simple Payback Period	1.3 years

*Project cost does not include labor to install

This project turned out to be a real winner for Harrah's Reno, you could even say it was a "Sure Bet!"