



## CASE STUDY: GALLERIA AT SUNSET

### HVAC Optimization at No Cost to Participating Business Customers

NV Energy's commercial and industrial customers, regardless of size or energy use, benefit from technical assistance and incentives to help reduce energy and demand consumption and increase cost savings potential. PowerShift energy advisors work closely with customers to identify those projects with the best potential for verifiable energy and demand savings. Features include technologies and incentives to upgrade and optimize lighting, electric motors, refrigeration, electric commercial kitchen and HVAC equipment.

Our certified contractors install and maintain Encycle demand-limiting controllers that network rooftop air conditioning units. Once networked, the units automatically share real-time information to synchronize and optimize their operation. Consumption and control data are centralized through a mobile web application. Participation in this program can reduce peak demand up to 20% and reduce energy consumption up to 10%.<sup>1</sup>

## LEARN MORE

CALL | 800.342.6335

EMAIL | [commercial@nvenergy.com](mailto:commercial@nvenergy.com)

WEB | [www.nvenergy.com/commercial](http://www.nvenergy.com/commercial)

<sup>1</sup>All energy savings figures are average estimates only and will be calculated through a measurement and verification process on an annual basis.

## More about this project...



### Project Summary

Las Vegas summers are challenging. Large shopping malls need to maintain customer comfort in buildings with variable occupancy and large open spaces. Additionally, running all of a facility's rooftop units at the same time creates a surge in demand reflected in the demand charge on the electricity bill. Galleria at Sunset faced such challenges and sought an energy-saving solution.



### Energy-saving Equipment

NV Energy's PowerShift energy advisors offered Galleria at Sunset a solution that uses energy more efficiently and reduces peak demand. The Galleria quickly signed up to participate and received Encycle demand-limiting controllers for 13 rooftop air conditioning units. The equipment allowed the Galleria to save a considerable amount of energy on the units, which range from 30 to 75 tons of capacity.

During the summer of 2015, Galleria at Sunset participated in all of the scheduled community energy events. Each event reduced the demand by approximately 60 kW for two hours. There was no noticeable change in temperature and no comfort complaints. Detailed information from the web portal also allowed the Galleria's operations team to identify under-performing equipment and bring it back to optimal condition.

Big box stores, movie theaters, call centers, air conditioned warehouses and distribution centers, or any large, open space with several rooftop air conditioning units are also good matches for demand-limiting controllers. Contact an NV Energy representative to evaluate your specific needs.



### Project Results

**Building Type:** Retail

**Project Type:** Demand Response

**Measures:** Demand-limiting controllers

**Incentive:** Free equipment, installation & subscription valued at more than \$30,000