



The Cool Benefits of Energy-Efficient HVAC:  
July Contractor Network Newsletter



## Get All The News About Commercial Energy Services

### Contractors Corner

Summer just got cooler with energy savings from PowerShift by NV Energy. An energy-efficient HVAC system offers benefits to your customers including improved employee comfort, lower energy bills and reduced maintenance. Here are some points to consider when selling an energy-saving HVAC project:



- **Ensure that the HVAC system is properly sized.** Systems are often sized to meet worst-case cooling and heating conditions, which leads to oversized equipment. Oversized equipment increases operating costs and wear, and runs less efficiently than properly sized options.
- **Consider high-performance rooftop units (RTUs).** High-performance RTU design specifications are expected to reduce energy use by as much as 50% compared to current ASHRAE 90.1 standards, depending on

location and facility type. Check out the U.S. Department of Energy's [Rooftop Unit Comparison Calculator](#) to compare high-efficiency RTUs with standard models.

- **Install new equipment and controls to optimize energy usage by ensuring systems operate efficiently under typical, part-load conditions.** Some options include placing variable speed fan systems and variable speed drive controls on fan motors, and utilizing energy management systems to analyze usage and maximize efficiency.

## Good To Know

- PowerShift by NV Energy offers summary and fact sheets to help you educate customers on energy efficiency, its benefits and the various services we offer. The materials include:
  - Retrofit Summary
  - New Construction Summary
  - Small Business Summary
  - Natural Gas Summary
  - Nonprofit Grant Summary
  - Energy Audit Summary
  - Mining Fact Sheet
  - Exterior Lighting Fact Sheet

Visit our website, [www.nvenergy.com/commercial](http://www.nvenergy.com/commercial), to download the summary and fact sheets.

- PowerShift by NV Energy launched a service that installs free energy-saving equipment for qualifying commercial customers in exchange for participating in a handful of community energy events that shift energy load. The equipment includes:
  - Smart thermostats estimated to save up to 10% on energy costs, and help customers monitor and control cooling and heating needs through a centralized web portal.
  - Networked demand-limiting controllers that synchronize and optimize RTUs to reduce peak demand up to 20% and consumption up to 10%.

To learn more, call a PowerShift energy advisor at 800.342.6335, send us an [email](#) or visit [nvenergy.com/commercial](http://nvenergy.com/commercial).

## Project Snapshot

Casinos can really feel the heat to find ways to lower costs while keeping customers comfortable in summer. Arizona Charlie's Decatur casino/hotel



improved its HVAC system by working with PowerShift energy advisors, all while keeping customers and employees cool. The property upgraded its RTUs by installing dry bulb economizers on units larger than 7.5 tons and utilizing an energy management system. The estimated annual savings is more than 200,000 kWh, with a project payback of two-and-a-half years.

## Upcoming Trainings

- **July:** Find out about energy efficiency and compressed air.
  - [Register](#) for the July 26 class in Las Vegas.
  - [Register](#) for the July 27 class in Reno.
- **August:** Learn about the benefits of LED lighting and current trends.
  - [Register](#) for the August 16 class in Las Vegas.
  - [Register](#) for the August 17 class in Reno.
- **September:** Discover how pumps and motors can optimize energy usage.
  - [Register](#) for the September 20 class in Las Vegas.
  - [Register](#) for the September 21 class in Reno.
- Find out more about NV Energy's training series for 2016 on our [training webpage](#).



## Contact Us

### NV Energy Commercial Energy Services

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