



Bright Ideas for Lighting:  
Contractor Network Newsletter



## Get All The News About **Commercial Energy Services**

### Contractors Corner

Lighting offers commercial customers the largest and most cost-effective potential for energy savings of any end use. In fact, the U.S. Department of Energy (DOE) estimates that lighting accounts for one-third of the electricity consumed by commercial facilities. Here are some tips to consider:

- **Remember the two calculations below to determine a facility's lighting demand and potential energy savings after completing a project.**
- **Consider solid-state lighting.** The DOE estimates that solid-state lighting, which includes LEDs and organic LEDs (OLEDs), has the potential to save the U.S. nearly \$250 billion over the next 20 years. They also note that by 2020 LEDs will be capable of efficacies of nearly 170 lm/W, which is a lumens measurement nearly twice the efficacy of a typical fluorescent fixture.
- **Install controls and motion sensors on exterior lighting fixtures to save even more.** LED fixtures often offer controls that reduce or turn off

lighting if no motion is detected for an extended period of time. These features are ideal for customers that use exterior lighting 24 hours a day.



## Good To Know

PowerShift by NV Energy offers technical fact sheets to help you educate customers on energy-efficient equipment and their benefits. The topics include:

- Boiler reset controls
- Commercial kitchen equipment
- Compressed air and leak detection
- Destratification
- Exterior lighting
- Gas infrared space heating
- High-efficiency HVAC
- Insulation
- Lighting
- Magnetic bearing compressors
- Mining
- Power factor
- Refrigeration
- Variable frequency drives
- Vending machines
- Waterside economizers

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

**SAVE ON CHILLERS WITH MAGNETIC BEARING COMPRESSORS WITH POWERSHIFT BY NV ENERGY**

Magnetic bearing compressors offer several benefits when compared to conventional centrifugal compressors including improved performance and reliability, and reduced maintenance. Plus, they are estimated to be up to 40% more efficient than standard compressors, and offer substantially improved savings over the life of the unit.

**How It Works**  
Magnetic bearing compressors feature a single rotating component, which means few moving parts. Also, no oil or lubrication equipment is required. Typical chillers can lose up to 15% performance due to oil contamination of heat transfer surfaces. Eliminating oil contamination in the refrigerant and heat transfer surfaces keeps your magnetic bearing chiller running at peak efficiency year after year. It also reduces maintenance costs over traditional oil compressors.

The compact size of a magnetic bearing compressor makes it flexible to install around and above for both retrofit and new construction projects. Other benefits include a digital bearing control system that continuously monitors shaft position and adjusts the magnetic bearing. This is real time to maintain precise position of the compressor shaft, the result is reducing energy efficiency and reliable, long life operation. NV Energy offers incentives for magnetic bearing compressor projects through the custom measure approach, with incentives paid based on calculated annual energy savings.

**FUNDING IS LIMITED—APPLY TODAY!**

**LEARN MORE**  
CALL: 800.482.2334  
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Because you can never save too much.

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

## Project Snapshot

When Renown Health built a new hospital in the Reno/Sparks area, it installed energy-efficient lighting and occupancy sensors. Equipment included T8s, T5HOs and compact fluorescent fixtures. The project qualified for NV Energy's lighting power density rebate and exceeded standard baseline code requirements. The estimated annual savings is more than 435,000 kWh, with a reduction in peak demand of approximately 76 kW.



## Upcoming Trainings

- **October:** Learn how energy-efficient lighting can trim operating costs and save energy.
  - [Register](#) for the October 18 class in Las Vegas.
  - [Register](#) for the October 19 class in Reno.
- **November:** Find out about energy efficiency equipment and strategies.
  - [Register](#) for the November 15 training in Las Vegas.
  - [Register](#) for the November 16 training in Reno.
- Find out more about NV Energy's training series for 2016 on our [training webpage](#).



**NV Energy residential customers qualify for a FREE In-Home Energy Assessment** to help you save money on your power bills. A PowerShift energy advisor will visit your home and provide you with personalized tips on how to save energy and money. Email [powershift@nvenergy.com](mailto:powershift@nvenergy.com) with your name, home address and contact number to schedule your appointment.

## Contact Us

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