



## POWERSHIFT OFFERS SMART STRATEGIES FOR SMART BUILDINGS

### Multiple Ways to Save

Interactive energy optimization brings you direct bill credits, plus lowers your charges for peak demand and energy consumption.

### Expert Advice

PowerShift energy advisors work closely with you to identify opportunities for verifiable energy and demand savings. We provide the consulting at no cost.

### Flexible Strategies

You decide what energy-saving measures to automate, while maintaining the ability to adjust them at any time. Setup costs are low with available cost-share.



### What You Get

PowerShift by NV Energy can help you optimize your energy use and boost your bottom line. Here's how:

- An NV Energy PowerShift energy advisor will identify and characterize opportunities to reprogram your building management system for improved demand and energy savings
- During community energy events\*, you receive \$1.95 per kW per event if you achieve more than 10 kW average demand reduction; you receive \$1.75 per kW per event if you achieve less than 10 kW average demand reduction
- You choose a dynamic strategy for how your facility responds in different situations, based on

operational needs and savings potential; you can modify loads for HVAC, lighting or other sources

- Analysis of peak load control strategies typically identifies opportunities to optimize performance and reduce consumption



### How To Participate

NV Energy supports reprogramming your building management system to participate in community energy events, whether your system already can communicate via the OpenADR protocol or needs a gateway device that NV Energy provides free of charge.

\*How community energy events work:

- You receive notice of events one day in advance by phone, text or email
- You only need to participate in 75% of the events, or 15 per year, whichever is less
- Events last two hours and will occur between 1-7 p.m., typically between 3-5 p.m.

\*Refer to How to Participate to find out more about community energy events.

## LEARN MORE

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*Because you can never save too much.*



## Technical Guidelines

- Designed to work with medium to large commercial customers that have a building energy management system controlling a central plant, package rooftop HVAC units or lighting
- The site must control equipment with greater than 50 kW aggregate load
- The controlled equipment either must be certified for OpenADR 2.0 communications or have Internet access for a gateway to control equipment through two dry contact relay signals during a community energy event. The gateway enables a building energy management system that does not support demand response protocols to receive an automated request.

## Frequently Asked Questions

### How do I receive the incentive for participation in community energy events?

NV Energy pays load reduction incentives for each event in which a customer participates. All kW incentives will be accumulated and paid as a bill credit after the end of the demand response season.

**How is the load reduction calculated?** The load reduction, or kW savings, is the difference between the demand during the community energy event and your benchmark demand. The benchmark demand is calculated as the average demand from the three highest recordings during the same time window (typically between 3-5 p.m.) over the previous 10 days. Prior event days are excluded from the average.

**How do I get reimbursed for setup costs?** NV Energy reimburses the customer's energy management system contractor. Reimbursable work includes installing and connecting the gateway to the energy management system (if needed) and programming the energy management system to reduce facility load by at least the committed reduction amount.

NV Energy determines standard site setup reimbursement amounts by a site owner's committed kW reductions using the table below:

kW Reduction	Setup Reimbursement
50	\$1,300
100	\$3,000
200	\$6,000
300	\$8,000
> 500	\$10,000

**What are typical demand reduction and energy saving strategies?** Adjusting temperature settings and lighting levels are common ways to reduce demand during community energy events. Proper calibration and settings for variable speed drive controls can save energy year-round and affect demand response strategies. These controls can apply to ventilation systems, pumps and chillers. Some strategies rely on thermal inertia to reduce demand during peak events including utilizing stored thermal energy from ice banks, pre-cooling indoor air and letting chiller temperature float. An NV Energy assessment provides a broad range of options based on your facility configuration and operational needs.

**What if I change my mind?** You can cancel your participation at any time. NV Energy will remove the equipment (if a gateway was installed), or you can purchase the equipment (based on depreciated value over a five-year schedule). Equipment must be returned in good working order.

