



POWERSHIFT OFFERS SMART STRATEGIES FOR SMART BUILDINGS

Multiple Ways to Save

Interactive energy optimization offers you monetary incentives, 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
- The annual incentive is \$25 per average kW reduction from the highest 15 Community Energy Events* during the demand response season
- 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

*Refer to How to Participate to find out more about Community Energy Events. Participation in additional Community Energy Events that don't qualify as one of the highest 15 events will not be included in the annual incentive calculation.

- 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. While they can be scheduled between 1-7 p.m., events typically occur between 3-5 p.m.

LEARN MORE

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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 already support demand response protocols to receive an automated request.



Frequently Asked Questions

How do I receive the incentive for participation in Community Energy Events?

The annual incentive will be paid to the customer at the end of the demand response season as a bill credit. The average kW reduction must be at least 50% of the target level or the annual incentive will be calculated at \$10 per average kW reduction.

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 following formula:

- Up to \$25 per kW for programming costs
- Total incentive is capped at 100% of programming costs or \$15,000 per location, whichever is less

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.

