



Energy Smart Industrial

BPA ENERGY EFFICIENCY

High Performance Energy Management

Reduce energy use and
meet your business objectives

By applying continuous improvement practices similar to Lean and Six Sigma, the BPA Energy Smart Industrial (ESI) program's High Performance Energy Management (HPEM) component can significantly reduce a facility's energy usage with minimal financial cost to your company.



Consider these additional benefits

Applying continuous improvement practices to energy has other benefits as well, including enhanced productivity, employee satisfaction, improved safety, and reduced environmental impacts.

HPEM helps you deliver a structured, sustainable energy program where you and your staff learn by doing. The program creates a long-term vision for your facility with short-term actions to control and reduce your energy costs.

How does HPEM work?

In cooperation with your utility, HPEM experts facilitate the entire process. They work with you and your staff to:

- Identify and foster an energy champion or team leader
- Create an energy team (or add energy to an existing team)
- Establish an energy strategy customized for your plant through development of a policy or mission statement
- Conduct an energy management assessment
- Set energy savings goals (i.e. 5% reduction over 12 months)
- Identify and prioritize activities and projects that reduce energy use
- Connect energy efficiency to other business objectives (i.e. safety, quality, etc.)
- Develop performance indicators to monitor and track energy intensity on a normalized basis
- Engage your utility, vendors, and other relevant third-party resources
- Develop a value stream energy map for your facility
- Identify current energy use and develop a statistical model to predict future use

Structured network groups

Structured network groups are composed of approximately 10 non-competitive industrial HPEM cohort participants that share best practices while learning together in a group setting. This component includes monthly group meetings, facilitated by HPEM coaches, where participants learn from the experiences of their peers. During these meetings you can share your experiences and exchange best practices with your peers. The HPEM coach brings proven energy management tools that include energy policy templates, statistical analysis systems, and the necessary training to apply them to your organization. The synergy of this approach produces great results for all participants.

How do I know if HPEM will work for us?

Our industrial energy experts work with a variety of industries throughout the region and bring that knowledge and experience to your facility. In addition to coaching you and your team through the process, we provide business tools to ensure success for your company.

HPEM has been proven in industry by market leaders.

These principles and practices have improved safety, quality, productivity, and environmental measures in industry for more than 20 years.

How much does it cost to participate?

There is no financial cost to participate. However, you and your team will need to invest time and effort working through the process to ensure success. In addition, your company will be screened prior to acceptance in order to ensure it's a good fit for the HPEM cohort.

Are there financial incentives available for energy savings?

Yes, the following incentives are available for HPEM participants:

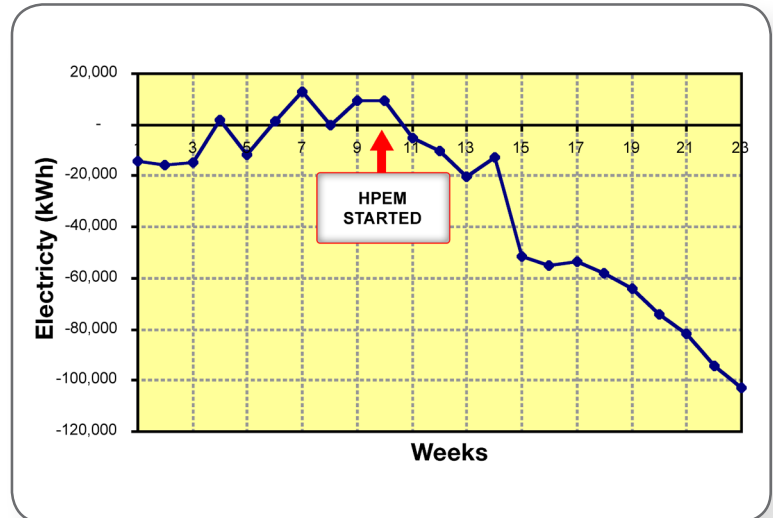
- HPEM incentive payments are paid annually, based upon verified savings relative to the pre-HPEM baseline.
- \$0.025 per kWh of energy savings, for three or five annual incentive cycles.
- Additional incentives are available for custom projects and operations and maintenance projects. Contact your utility for more information.

NOTE: Incentives are only paid when: (1) an accurate model of facility energy use can be created, and (2) when energy savings is realized that is not associated with capital projects or changes in production.

Your commitment to participate

To maximize the benefit from the HPEM component, you will need to commit to:

- Participation throughout the 13-month process
- Participation of at least two staff members in a combination of monthly workshops or online webinars
- Management support of an energy champion and team with energy savings goals
- Engagement in activities and projects to reduce energy consumption
- Tracking and sharing your energy and production (or other key energy-driver data) to measure energy-intensity reduction. *NOTE: All data is kept private and confidential*
- Sharing your learning experiences with other participants by giving presentations during the course of the HPEM cohort process



Note: Actual industrial facility data showing energy savings

For more information, please contact your Energy Smart Industrial Partner or your utility.

The BPA Energy Smart Industrial program is sponsored by your local public utility and the Bonneville Power Administration.

Learn more at www.EnergySmartIndustrial.com