

Jump-Start Your Plant's Energy Savings with Quick PEP

Facts & Figures

- About a third of the nation's total energy use is consumed in U.S. industries.
- Even plants with energy management programs can often save 10% to 15% more using best practices to increase their energy efficiency.

Benefits of Quick PEP

- Provides an overview of your plant's energy purchases
- Helps you quickly understand your plant's energy use
- Identifies your plant's major energy-consuming systems
- Is a good first step in identifying potential energy and money savings
- Describes typical next steps to take to ensure savings

If your plant could use a boost in energy efficiency, try Quick PEP ... and find out how to start saving energy and money today!

Resources

For more information, to obtain DOE's assessment and decision tools, and to learn more about DOE Qualified Specialists and training opportunities, visit the BestPractices Web site, www.eere.energy.gov/industry/bestpractices and see the Resources section.

Additionally, you can contact the EERE Information Center at 1-877-EERE-INF (1-877-337-3463), or via the Web at www.eere.energy.gov/informationcenter.

The Quick Plant Energy Profiler, or Quick PEP, is an online software tool designed to help you quickly understand how your industrial plant is using energy and what you can do to begin saving energy and money now. Developed under the U.S. Department of Energy (DOE) Industrial Technologies Program (ITP), Quick PEP is a good "first step" that U.S. industrial plants can take to identify excellent opportunities for savings, improve their company's bottom line, initiate an energy management plan, and help reduce the environmental emissions associated with energy production and use.

What does Quick PEP do?

This software tool helps plants quickly "diagnose" their energy use and begin identifying opportunities for energy savings and related carbon (CO₂) emission reductions. It does this by providing an overview of the amount of energy that your plant purchases and generates, identifying the major industrial systems that consume that energy, describing your plant's savings potential, and pointing out some specific resources and tools you can use to realize savings.

Quick PEP is like a road map that directs you to specific, targeted ways to save energy and money at your plant. Using Quick PEP and information about your particular plant, you can complete a plant profile in about an hour. An online tutorial explains the information you'll need to complete the profile. You will then receive a customized, printable report that includes details about your plant's energy purchases, how your plant consumes energy, potential energy and cost savings, and the next steps you can take to begin saving. The current version, 1.2.0, of Quick PEP has added baselining features, a CO₂ footprint calculator, and Chinese translation capabilities.

Who can use Quick PEP?

This software tool was designed for industrial plant managers and personnel who have access to basic information about major energy-consuming systems at their industrial plants. This information can include the average amount of electricity and/or natural gas that is consumed or generated at the plant on a monthly, quarterly, or annual basis. An online tutorial takes you through the Quick



PIX0562/NREL

Quick PEP software allows you to identify energy-saving opportunities.



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PEP process step by step. Quick PEP can even help you select the major energy-consuming systems at your plant, and it provides default energy-use information and worksheets, as well.

Where can I obtain Quick PEP?

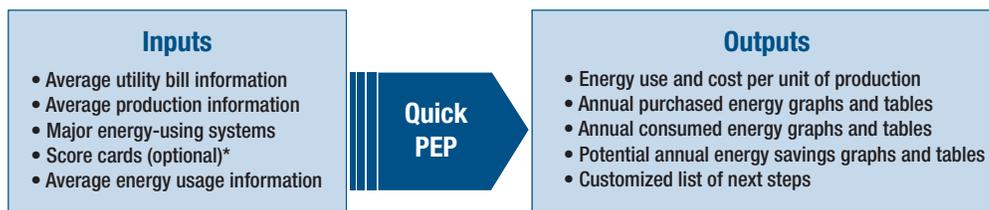
This software tool is available online free of charge. You can access it on the ITP BestPractices Web site by visiting www.eere.energy.gov/industry/bestpractices and selecting “Software Tools” from the list of quick links. For more information, you can contact the EERE Information Center by calling 1-877-337-3463 or by going to www.eere.energy.gov/informationcenter on the Web.

Then what?

The Quick PEP results report contains tables and graphs that show you how much energy your plant is purchasing and how much it costs, how your plant is consuming that energy, how much energy and money you might be able to save, and the amount of CO₂ emissions you can avoid. The results report also includes a customized list of suggested next steps that can help you begin implementing energy-saving measures. These next steps could include using more targeted tools to identify specific savings opportunities or obtaining an energy assessment from one of DOE’s experts in analyzing industrial systems. For example, if Quick PEP shows that your plant’s process heating equipment is consuming a considerable amount of energy, you might want to select the DOE Process Heating Assessment and Survey Tool (PHAST) to find specific energy- and money-saving opportunities. Or you might want to consult with a DOE Qualified Specialist in the use of PHAST, or sign up for a special training session.

Quick PEP can also direct you to other software tools available on the ITP site. They can show you how to save energy and money by making efficiency improvements in your steam, compressed air, motor, pumping, fan, and other industrial systems. Whatever you choose, you will be well on the way to boosting your plant’s energy efficiency and improving your bottom line.

- To access DOE software tools, see www.eere.energy.gov/industry/bestpractices/software.html
- To find out more about DOE Qualified Specialists, see www.eere.energy.gov/industry/bestpractices/qualified_specialists.html
- To learn about training opportunities, see www.eere.energy.gov/industry/bestpractices/training.html



*Before presenting your results, Quick PEP requests information about the energy efficiency of your major plant systems. You can determine this yourself or fill out an optional “score card” to obtain efficiency information for selected systems.

ITP provides U.S. industries with software assessment tools, training, technical information, and assistance. These resources and energy management practices help plants improve the energy efficiency of their process heating, steam, pumps, compressed air, and other systems; reduce operating costs; and improve their bottom line.

A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy’s Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

For More Information, please contact:

Industrial Technologies Program (ITP)
www.industry.energy.gov

EERE Information Center
1-877-EERE-INF (1-877-337-3463)
www.eere.energy.gov/informationcenter

Or visit these Web sites:

Industrial Technologies Program (ITP)
www.industry.energy.gov

ITP BestPractices
www.eere.energy.gov/industry/bestpractices

Save Energy Now
www.eere.energy.gov/industry/saveenergynow

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