



# Energy Assessment for Pumping Systems

A Standard for Industrial Facilities Worldwide

## ASME EA-2-2009

This Standard establishes requirements for conducting energy assessments of pumping systems at industrial facilities.

Pumping systems generally include pumps, drivers, drives, distributing piping, valves, sealing systems, controls, instrumentation, and end-use equipment, such as heat-exchangers. This Standard sets the requirements for conducting and reporting the results of an energy assessment that considers the entire system, from energy inputs to the work performed as a result of these inputs.

You will be able to identify major opportunities for improving energy efficiency and performance throughout the pumping system. **Improving energy efficiency increases profitability and reliability for the plant, making better use of assets.**

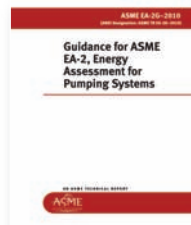
Many industrial facilities have the potential to increase the efficiency of their systems, but have difficulty doing so because there is no market definition for energy-efficiency assessment services:

- How do energy-assessors determine the market value of their services?
- How do facilities determine the relative quality of the services they receive?
- How do both parties enter into mutually-productive agreements?

Use of this Standard and accompanying Guidance Document should increase the quantity and quality of energy assessments performed, with significant potential savings in implemented energy costs.

**Intended for** energy managers, facility managers, plant engineers, maintenance managers, plant managers, environmental health and safety managers, plus others across a broad range of industries.

**Also available: EA-2G-2010 Guidance Document**  
(Provides technical background and application details)  
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