



## Energy Assessment for Compressed Air Systems

A Standard for Industrial Facilities Worldwide

### ASME EA-4-2010

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

Compressed air systems are defined as a group of subsystems comprised of integrated sets of components, including air compressors, treatment equipment, controls, piping, pneumatic tools, pneumatically-powered machinery, and process applications utilizing compressed air. 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 compressed air system. **Improving energy efficiency increases profitability and reliability for the plant, making better use of assets.**

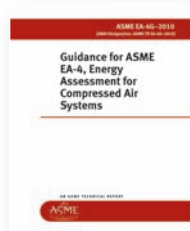
Many industrial facilities have the potential to increase the efficiency of their systems, but have difficulty doing so because there is no market definition for energy-efficiency assessment services:

- 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-4G-2010 Guidance Document**  
(Provides technical background and application details)  
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