

Technology Profile

Compressed Air Systems

Most industrial plants, from small machine shops to large metal manufacturers, use compressed air systems in their operations. The U.S. Department of Energy (DOE) estimates that improving the efficiency of these systems can reduce electricity use by 20%–50%. PECO Ways to Save helps identify problem areas and provides incentives to make upgrade projects affordable.

Reduce Overhead and Operating Costs

Compressed air is often the most expensive form of energy used in an industrial plant due to its poor efficiency. According to DOE, air compressors use more electricity than other types of industrial equipment. In fact, a DOE survey showed that for some facilities, compressed air generation can account for up to 30% of electricity use. So, increasing the efficiency of these systems represents an important opportunity for saving energy and money.

Incentives for Energy-Saving Measures

Whether you're looking to reduce operating costs, constructing a new facility or planning a major renovation, we offer incentives for dozens of proven energy efficiency measures to make your upgrade projects hassle free and affordable.

From upgrading old equipment to installing new high-efficiency systems and custom measures, we help you find smart solutions to control your energy costs and improve your bottom line.

See the chart on the back for typical energy efficiency measures for compressed air systems.



Typical Energy Efficiency Solutions for Compressed Air Systems

Compressed Air	
No-Loss Condensate Drains	Variable-Speed Air Compressors
Storage Tanks for Load/No Load Screw Compressors	Leak Sealing and System Optimization
Cycling Refrigerated Thermal Mass Dryers	

Why Improve the Energy Efficiency of Your Compressed Air System?

Air leaks are a significant source of wasted energy in a compressed air system, often wasting as much as 30% of the compressor’s output.* Compressed air leaks also contribute to problems with system operations, including:

- Fluctuating system pressure, which can cause air tools and other air-operated equipment to function less efficiently, possibly affecting production.
- Excess compressor capacity, resulting in higher than necessary costs.
- Decreased service life and increased maintenance of supply equipment due to unnecessary cycling and increased run times.

Savings for All

PECO Ways to Save offers solutions and incentives for businesses and organizations large and small. Our solutions cross every sector, from commercial and industrial to nonprofits and government to retail and real estate.

In addition to standard incentives for energy-efficient heating and cooling systems, refrigeration equipment, lighting, variable-frequency drives, and custom measures, we offer incentives for whole building systems and new construction.

► Contact Us Today!

To learn more, get an application, or discuss a project, call us at **1-844-4BIZ-SAVE** (1-844-424-9728) or visit peco.com/business.

*energystar.gov/sites/default/files/buildings/tools/compressed_air3.pdf

†Whole building incentives require building modeling. Please consult the application for full program details.

††Construction lighting savings are calculated based on lighting power density. Please consult the application for full program details.