

Fluid System Optimization

COMPRESSED AIR – SUPPLY SIDE STUDY



You can improve your facility’s operations with a Compressed Air - Supply Side Study from Xcel Energy as part of our Fluid System Optimization program. Our study incentives, and prescriptive and custom rebates can help you reduce your energy costs, improve productivity, enhance your system knowledge, and increase your profitability.

Waste and leaks steal 50% of your energy!

According to the Department of Energy, the typical compressed air system uses only 50 percent of its air supply for production, while the other 50 percent is lost due to leaks and wasteful measures. Use our program to increase your system’s efficiency. Our efficiency studies help you measure and understand your energy consumption.

The study includes:

- An ultrasonic leak survey
- An efficiency report that characterizes the system’s major components, identifies system loading, provides flow and metering results, identifies leaks and unregulated demand, identifies execution steps and cost estimates, and recommends improvements and follow-up actions

Operating Horsepower (hp)	Calendar Year 2013 Funding Level
< 10 hp	Not available
10hp – 49hp Systems*	\$250 plus \$20 per hp
50hp – 199hp Systems*	\$2,000 plus \$20 per hp
200hp – 499hp Systems*	\$3,000 plus \$20 per hp
500hp Systems* and larger	\$4,000 plus \$20/hp (capped at \$25,000)

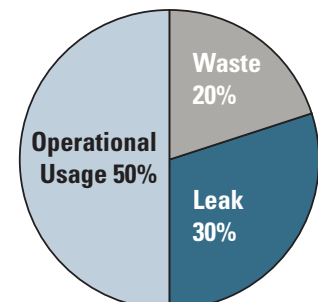
* Study funding requires Xcel Energy preapproval, and customers must fix at least 75 percent of the air loss caused by leaks/waste identified in their study. See rebate application for details.

NOT ENOUGH COMPRESSED AIR?

Escaping air impacts your bottom line. Leaks may cost you significant amounts of money and CFM each year.

- **A 1/6" leak may cost \$523, 6.49 CFM**
- **A 1/8" leak may cost \$2,095, 26 CFM**
- **A 1/4" leak may cost \$8,382, 104 CFM**

Source: Compressed Air Challenge. Assumes \$0.05 per kWh, constant operation, 100 psig, and a typical compressor.



Purchasing inefficient equipment costs more in the long run

Our rebates help reduce your costs

Use our prescriptive and custom rebates to help offset the upfront costs of purchasing more efficient equipment or making process improvements. You can receive rebates for no-loss air drains, mist eliminators, cycling dryers, dew point demand controls, variable speed compressors less than 50 hp, or you can qualify for a rebate by making process changes such as modifying your storage piping or reducing your system’s existing horsepower. If you participate in our compressed air study to assess your equipment needs, you’ll save even more.

Xcel Energy Custom Rebates* help you now!

Horsepower (hp)	Funding Level
Systems less than 50 hp (no study required)	\$400 per kW saved
Systems greater than 50 hp (with your completed Xcel Energy study)	\$400 per kW saved
Systems greater than 50 hp (without an Xcel Energy study)	\$50 per kW saved

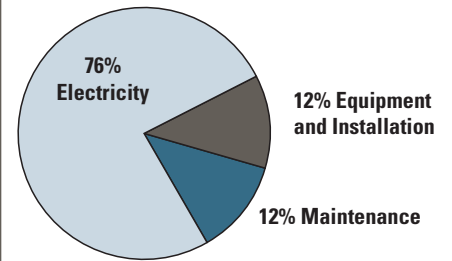
*Because your Xcel Energy completed study is valid for up to five years, preapproval is always required before you purchase and install equipment because there is a possibility that your operations have changed or your intended purchase may differ from the study recommendations; therefore, we need to review your individual circumstances through our preapproval process.

Maximize your profits now

Contact your Xcel Energy account manager, or call our Business Solutions Center at **1-800-481-4700** for all the details.

This program’s rules, requirements and offer are subject to change at any time. The rebate program will provide up to 60 days notice of cancellation. Changes or notifications will be posted on xcelenergy.com/rebates, fluid system optimization page. The customer is responsible for checking with the Xcel Energy Business Solutions Center at 1-800-481-4700 or by e-mail energyefficiency@xcelenergy.com or visit xcelenergy.com/rebates to determine whether the program is still in effect and to verify program parameters.

When you purchase equipment based on cost, rather than efficiency, you’ll spend more on your energy bills in the long run. Electricity used to run your compressed air system could be more than 75 percent of your lifetime compressed air system costs. It’s important to examine how efficiently your system operates year after year.



Assumptions in this example include a 75 hp compressor operated 2 shifts a day, 5 days a week at an aggregate electric rate of \$0.05/kWh over 10 years of equipment life.

Source: U.S. Department of Energy (U.S. DOE), Office of Industrial Technologies; “Energy Tips”

Note: Minnesota energy costs may be lower than the U.S. DOE averages used in this chart.

**Total lifetime costs include equipment, installation, maintenance and electricity*