



2009 Commercial, Industrial & Agricultural Compressed Air Efficiency Evaluation

Connexus Energy, 14601 Ramsey Blvd., Ramsey, MN 55303, 763-323-2600

Business Name: _____

Mailing Address: _____ **Phone** _____

Installation Address: _____
(if different from above)

Account Number: _____

Contact Name: _____ **Phone** _____

Email Address: _____

Co-op Rep: _____ **Date** _____

Qualifying Customers: Applicable to commercial, industrial and agricultural customers of Connexus Energy.

Rebate Program: Connexus Energy offers rebates to qualifying customers with electrically driven compressed air systems greater than 50 hp. Customers are eligible for the Compressed Air Evaluation rebate incentive once every five years through participating contractors.

Other Important Program Rules

1. Contact a participating compressed air vendor/contractor and request a study estimate.
2. Submit the Compressed Air Evaluation application along with the proposed study to Connexus Energy.
3. Obtain pre-approval from Connexus Energy and then proceed with the evaluation.
 - ◆ The evaluation must comply with the specific rules and qualifications.
 - ◆ Repairs must be made to 50% of the air loss due to leaks and/waste identified in the evaluation to be eligible for the rebate.

Warranty Information: Rebate qualifications do not imply any representation or warranty of such equipment, design, or installation by Connexus Energy. Connexus Energy shall not be responsible or liable for any personal injury or property damage caused by this equipment. Connexus Energy does not guarantee that a specific level of energy or cost savings will result from the implementation of energy conservation measures or the use of products funded under this program. In no event shall Connexus Energy be liable for any incidental or consequential damages.

Other Important Program Rules

1. Installation must be complete before funds will be issued for the rebate.
2. Customers and vendors must submit itemized equipment invoices along with rebate applications, and worksheet to Connexus Energy. To ensure that the equipment installed meets Connexus Energy's performance standards, these invoices must itemize labor charges, quantity and price of the equipment installed, recycling fees, and information regarding the manufacturer and model numbers for all equipment included in the rebate.
3. Connexus Energy reserves the right to conduct random inspections of installations.
4. The customer is responsible for checking with Connexus Energy to determine whether funding is available and to verify program parameters.
5. Rebate must comply with all program specific rules and qualifications.
6. Qualifying customers must apply for Year 2009 rebates no later than November 30, 2009.
7. The maximum rebate amount shall be the lesser of 50% of the project cost or \$100,000 (\$150,000 for retrofit projects with prior approval from Connexus Energy).

The undersigned does hereby certify that:

- 1) The undersigned, and not Connexus Energy, is solely responsible for the accuracy of the information contained
- 2) All rules of the rebate program have been followed
- 3) The installation is complete.
- 4) The undersigned acknowledges that nothing contained in the application shall impose any liability on Connexus Energy for the work performed and information presented by the customer's engineer, contractor, or vendor.

Customer Signature: _____ **Date:** _____



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Compressed Air Evaluation Information

Total installed compressor horsepower (excluding backup)	
Total cost of proposed Compressed Air Evaluation:	
Compressed Air Evaluation Rebate:	
Estimated evaluation completion date:	
Operating Hours per year:	
Air leak test completion date:	
Estimated Cost of System Changes	
Estimated kW Savings	
Estimated kWh Savings	

Cost Share Funding of Compressed Air Evaluation costs

Compressor Hp	Cost Share Funding
50 - 74	50% up to \$2,000
75 - 99	50% up to \$2,500
100 and greater	50% up to \$15,000

Program Specific Rules:

1. Qualifying compressed air systems must meet the following requirements:
 - ◆ Electrically Driven
 - ◆ 50 hp plus total installed air compressor capacity (excluding backup equipment)
 - ◆ Operate at least 40 hours per week or 2,000 hours per year.
2. The Compressed Air Efficiency Evaluation must include the following components:
 - ◆ An ultrasonic leak survey which identifies and locates tag air leaks.
 - ◆ An estimate of the cost of inefficiencies and must include customers costs, demand (kW) and energy (kWh), resulting from leaks and misuses of the air system.
 - ◆ An efficiency report detailing the recommendations which will improve system efficiency.
 - ◆ An estimate of the energy cost savings, including demand (kW) and energy (kWh) savings, which would result from the system improvement recommendations.
3. The report must also specifically include the following information of the compressed air system components:
 - ◆ Compressor number, type, capacity, pressure and age.
 - ◆ Compressor motor size, efficiency and age.
 - ◆ Type, capacity and age of dryers and other conditioning equipment.
 - ◆ Description of major compressed air end uses.
 - ◆ Line diagram including location and layout of piping and major system components.
 - ◆ Inspection of all compressed air system components and identify problem areas.
4. Identify system loading of major compressed air users including size, frequency and duration of use. Measure the output of each individual compressor and the overall system in cfm; Calculate energy consumption in kWh and determine the annual cost of operating the existing compressed air system.
5. Provide flow and/or electric metering results.
6. Identify the results of the leak and unregulated demand inspection, including the location and approximate size of each leak.
7. Identify the process to implement the system energy efficiency improvements and provide cost estimates to repair the leaks, unregulated end-uses and inefficient compressed air applications.
8. Provide the customer a list of recommend improvements to their own maintenance procedures.
9. Provide customer with follow-up actions to improve operation and efficiency.