

☐ Comprehensive Air Compressor Sequencing Control

Full Scale Implementation OR Pilot Scale/Study

1. Description of the project: What is the issue and how did you fix it?

A sequencing controller was integrated with our several air compressors to efficiently control the system to more tightly control the compressed air system, distribute the load effectively across the compressors and reduce energy usage.

2. Environmental Benefits: Conservation of raw materials or energy, reduction or elimination of emissions, wastes, toxics, water discharges, etc.

The energy savings from this project totals roughly 250,000 kWh annually.

3. Other Benefits: Productivity, health and safety, employee morale, etc.

Rebate through PPL Local utility incentive program.

4. Cost Savings: Capital cost, operating cost, ROI or other pertinent cost information.

We received a rebate from Pennsylvania's Act 129 program for \$25,000. Operating costs of the compressed air system have been reduced by roughly \$12,500.

5. Applicability to other foundries and additional Comments

Yes

6. Applicable Environmental Categories and Foundry Processes. Select all that apply.

Environmental Categories

- Carbon (GHG) Emissions Measurement and Reduction
- Air Quality Water Use and Discharge Waste Management
- Beneficial Use Stormwater Material and Resource Conservation
- Community Engagement

Foundry Process(es) Impacted

- Melt Pour Mold Core sand system/reclaim
- Shakeout Heat Treat Quench Finishing Shipping
- Maintenance Pattern Shop Casting Design
- Management Systems and Metrics
- Other, explain:

7. Add photos to enhance your application, if applicable.

Photos on Next Page



On Oct 28, 2016, at 6:21 PM, David Maurer <david.maurer@clearresult.com> wrote:

<image001.jpg>

PPL Electric Utilities' Business Energy Efficiency Final Savings Notice

Rebate Intake #: RBT-799159

Dear Thomas Brown,

Thank you for your participating in the PPL Electric Utilities' Business Energy Efficiency Program. The Program has finalized your application for the project RBT-799159 at 5297 State Route 487, Benton PA, 17814.

As we discussed on our telecom this week and based upon our review of the submitted documentation, the final rebate amount is \$24,898.80. Congratulations on achieving a total annual savings of 248,988 kWh based upon our measure calculations. Your rebate check will be mailed within two to four weeks from the date of this letter to:

Address: 5297 STATE ROUTE 487 BENTON, PA 17814

Having participated in the program, you may receive a short questionnaire from The Cadmus Group regarding your experience with the PPL Business Energy Efficiency Program. We value your opinion and your response to this short survey will help us design and deliver programs to serve you better. If for any reason you cannot rate your overall experience as being "Very Satisfied", please reply to this email so we may address your concerns.

Sincerely,

David Maurer

David Maurer
Program Manager
Direct: 610.750.8750 x218
Mobile: 610.620.5882

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