

(Air Compressor Heat Harvesting)

Full Scale Implementation OR Pilot Scale/Study

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

Waste heat from the main air compressor room was directed into the new maintenance department to offset heating requirements in the winter. In the summer, the heat is directed out to atmosphere.

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

Much lower energy consumption.

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

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

Not included

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.