



Atmosphere Engineering Company

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Endothermic Gas Burnoff Cost Calculation

Endothermic Gas Cost

Natural Gas Price per Decatherm	\$7.35
Natural Gas Price per Ft ³	\$0.0074
Typical Air / Natural Gas Ratio	2.70
Capacity of Generator (CFH Endo.)	3,600
Heating Gas Required (CFH)	293
Reaction Gas Required (CFH)	834
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Cost per Ft ³ Endothermic Gas	\$0.0023

Endothermic Gas Generation

Endothermic Gas Generator #1	3,600
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Total Endothermic Gas Flow Generated (CFH)	3,600

Endothermic Gas Usage

Furnace #1 (CFH)	600
Furnace #2 (CFH)	700
Furnace #3 (CFH)	600
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Typical Endothermic Gas Used (CFH)	1,900

Endothermic Gas Burnoff

Burnoff Endothermic Gas Flow Rate (CFH)	1,700
Monthly Volume of Burnoff Endo. Gas (Ft ³)	1,241,000
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Monthly Cost of Wasted Endo Gas	\$2,855
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Annual Cost of Wasted Endo Gas	\$34,266

**Example Survey based on Actual Data Recorded 2/16/05
Contact Atmosphere Engineering To Survey Your H.T.**