



Managing Data /

Air Survey's

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AGENDA

- COST OF GASES
- AIR SURVEY
- ENTERING THE DATA
- COSTS AT VARIOUS PRESSURES
- OVERALL SAVINGS

Gas Cost/1000 cubic Feet

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This is for the year	2008	
<i>Air</i>	Cost =	\$ 0.50
<i>Argon</i>	Cost =	\$ 22.80
<i>Helium</i>	Cost =	\$ 99.95
<i>Hydrogen</i>	Cost =	\$ 11.77
<i>Nitrogen</i>	Cost =	\$ 3.80

Electricity = 4.5 cents/kWh

Air Survey

- Find leak
- Take dB reading
- Estimate pressure
- Repair if able
- Tag and follow-up if needed

WHAT'S ON THE SHEET??

DEPARTMENT

EQUIPMENT ID

TYPE OF GAS

PRESSURE AT LEAK

DB RATING

PROBLEM DESCRIPTION

REPAIRED (Y/N)

WORK ORDER #

THIS MONTH'S LEAKS

Cost Avoidance		
Identified	Repaired	% complete
\$2,890.80	\$998.64	35%

Flow Rate Chart-CFM (Air)

Sensitivity	100 PSI		10 PSI	
Db Reading	Leak Rate	Cost	Leak Rate	Cost
10	0.50	\$ 131.40	0.05	\$ 13.14
80	7.70	\$ 2,023.56	3.60	\$ 946.08

COST OF ONE LEAK

Air Leaks Repaired	
CFM	Cost
3.8	\$998.64

Overall Air Savings



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Month	Identified leaks Cost Avoidance	Repaired Leaks Cost Avoidance	% Complete	CFM	Cost
1	\$21,365.64	\$16,898.04	79%	64.3	\$ 16,898.04
2	\$7,516.08	\$6,570.00	87%	25.0	\$ 6,570.00
3	\$8,041.68	\$7,227.00	90%	27.5	\$ 7,227.00
4	\$16,950.60	\$5,545.08	33%	21.1	\$ 5,545.08
5	\$2,890.80	\$210.24	7%	0.8	\$ 210.24



LEAKS IDENTIFIED \$56,765.80

LEAKS REPAIRED \$36,450.36

64 % COMPLETE

COMPRESSED GAS

LEAKS ARE COSTING

YOU MONEY!!!

SUMMARY

- COMPRESSED GAS IS EXPENSIVE
- LOOK FOR LEAKS
- REPAIR OR PLAN TO REPAIR LATER
- SIZE MATTERS
- SAVINGS AVAILABLE

