

Case Study

- Drainwater Heat Recovery

Gold Eagle Lodge

North Battleford, SK

Year	Est Gas Cost\$/m3	Savings	Cumulative Savings	Remaining Cost	Payback
2005	0.400	7,890.00	7,890.00	50,820.90	1
2006	0.453	8,931.48	16,821.48	41,899.42	2
2007	0.513	10,110.44	25,931.92	31,778.98	3
2008	0.580	11,445.01	38,376.93	20,333.97	4
2009	0.657	12,955.75	51,332.68	7,378.22	5
2020	0.744	14,665.91	65,998.60	-7,287.70	5.5

Energy savings **\$7,890**

ROI **24%**

Assumptions:

Fuel inflation rate: 13.2%

Equipment cost: \$30,900

Natural gas fuel rate: \$0.40

Occupancy: 68%

Labour: \$28K