

Actual thermal performance of two buildings using Radiant Barrier

Building:	Kavanagh Residence, Golden Eagle		
Square Feet	9400	Gas Rate/Therm	\$1.07

*

Month	Gas Bill	Heating Cost	F difference	Heating\$/SF/mo	BTU's/SF/Month	BTU's/SF/Hr.	BTU's/SF/F/Day
November	430	344	37	\$0.037	3,410.60	4.737	3.073
December	702	413	46.5	\$0.044	4,092.72	5.684	2.934
January	689	416	47	\$0.044	4,126.83	5.732	2.927

Note: 3,6,9 days of Snow Melt, Building at 65F, Not Occupied

Building:	Turner Residence		
Square Feet	8100	Gas Rate/Therm	\$1.07

Month	Gas Bill	Heating Cost	F Difference	Heating\$/SF/mo	BTU's/SF/Mo	BTU's/SF/Hr.	BTU's/SF/F/Day
November	411	329	37	\$0.041	3,783.09	5.254	3.408
December	691	441	49.5	\$0.054	5,069.35	7.041	3.414
January	818	411	47	\$0.051	4,728.87	6.568	3.354

Note: 3,6,9 Days Snow Melt, Building at 70F, Occupied 10 days in Dec.; 4 days in January

Notes: RESCheck assumes 25+ BTU's/SF averaged for a heating season
 The typical Actual heat used compared to what DOE's RESCheck expected is
 * This col. Is a check .. The numbers should be close if the model is acting properly!

22.72%

Updated: 2/14/06