

Thermal Performance of two *Occupied* Buildings using Radiant Barrier

Building:	Griffen Ranch Residence		
Square Feet	3000	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	202	167	41	\$0.056	5,187.95	7.205	4.218
December	295	245	59	\$0.082	7,611.06	10.571	4.300
January	270	225	53	\$0.075	6,989.75	9.708	4.396

Ranch style, Unconditioned Crawl, single floor plan

Building:	Timberline Residence		
Square Feet	3000	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	300	230	53	\$0.077	7,145.08	9.924	4.494
December	369	299	66	\$0.100	9,288.60	12.901	4.691
January	374	304	67	\$0.101	9,443.93	13.117	4.698

Two story, 1800SF 28Ft. High cathedral ceilings, garage heated, over unconditioned crawl

Notes: RESCheck assumes 32+ BTU's/SF averaged for a heating season

The typical Actual heat used compared to what DOE's RESCheck expected is

31.72%

* This col. Is a check .. The numbers should be close if the model is acting properly!

Updated: 3/9/2006