Annual Fuel Cost Comparisons

Propane Rate/Gal	\$1.40	Market							
Electric Blended Rate/ Kwh	\$0.0670		Typical 1400 Sq.ft. home with basement. Family of 4.						
Gas Rate/therm "M"	\$0.93	Market	1						
Electric Water Heater Rate	\$0.0670								
Corn price / bushel	\$3.85	Market							
Building Load	459								
System	Natural Gas		Propane		Electric		Corn		
	therm/yr	Cost	gal/year	Cost	Kwh/year	Cost	b/year		Cost
Water Heating									
Gas/ Propane Water Heater	260	\$242	284	\$397					
Electric Water Heater					4200	\$281			
Space Heating									
65% Furnace (gas)	706	\$657	771	\$1,080					
80% Furnace (gas)	574	\$534	627	\$877					
90% Furnace (gas)	510	\$474	557	\$780					
94% Furnace (gas)	488	\$454	533	\$747					
Electric Heat (Resistance)	483				14,157	\$948			
Electric Heat Pump (Air Source)	230				6,726	\$451			
Electric Heat Pump (GSHP)	115				3,363	\$225			
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Corn Stove @ 75%	612		1		Ī		160.96	\$	619.70

	Gas	Electric	Propane	Corn	Gas	Electric	Propane	Corn
1 therm unit	1 ther	n 29.308 Kwh	1.092 Gal	.263 Bu	1 MM Btu	293 Kwh	10.92 Gal	2.63 Bu
Cost/ Unit	\$ 0.9	3 \$0.0670	\$1.40	\$3.85				
Cost of energy	\$ 0.9	3 \$1.96	\$1.529	\$1.013	\$ 9.30	\$ 19.64	\$ 15.29	\$ 10.88

