

Energy Use: Tracking Change for the Better

Winter Of From..... ...	To.....	Per Gallon Cost	Gallons	Energy Cost (oil) Cum % Change / Yrly Avg	Degree Days (corrected for local temp at house see note for cell)	% Degree Day Change From Prev Yr (Energy Req)	% Change Gallons Prev Yr (Energy Used)	% Energy Use Change / \$ per Yr Current Oil Price	Yrly BTU Provided Burner Eff 80%	Max BTU provided per day based on max DD day 70 Degree Delta T	Max BTU per Hr Provided\	Gross BTU burned max hr - System Size
11/0/2005	4/15/2013			107%			Cum since work began					
				13%		7%	-47%	-54%				
								\$ (2,058.09)				
								(\$)= YRLY SAVINGS				
Note: Approximate material cost Frost Proof Shallow Foundation and Super Insulating attic \$3,000. 1.5 Year Payback. Double cost and payback time if GC does work for you.												
2013												
4/15/2013		\$4.09	Projected	107%								
2/6/2013		\$4.09		107%								
1/2/2013		\$4.09		107%								
Frost Proof Shallow Foundation: Skirt done and insulated, 25%ground insulation in, 40%attic Super Insulation in, no snow cover around base of building												
11/14/2012		\$4.09	700	107%	7000	13%	-1%	-14%	78,444,800	708,338	29,514	35,417
2012	Frost Proof Shallow Foundation: Skirt done and insulated											
10/18/2011	11/0/2005	\$3.70	709	88%	6206	-18%	-32%	-14%	67,449,200	686,973	28,624	37,783
2011	Frost Proof Shallow Foundation: Skirt on back and front - partially filled front and sides, under porch insul to tank, attic insul door enc in, go to manual setback, dryer vent recapture, Moderate snow pack at bldg base											
10/13/2010	10/18/2011	\$2.90	1,034	50%	7553	12%	-14%	-26%	98,474,880	824,101	34,338	45,326
2010	Frost Proof Shallow Foundation: Skirt on back and back side no insul											
10/1/2009	10/13/2010	\$2.40	1,204	26%	6745	-13%	1%	13%	114,582,720	1,073,771	44,740	59,057
2009	Frost Proof Shallow Foundation: Prototype Skirt, no insulation, Setback control system fails											
9/16/2008	10/1/2009	\$ 3.67	1,194	77%	7719	5%	12%	8%	113,640,240	930,562	38,773	51,181
2008												
9/14/2007	9/16/2008	\$ 2.55	1,061	24%	7364	-1%	7%	8%	101,035,760	867,233	36,135	47,698
2007												
11/0/2006	9/14/2007	\$ 3.10	995	48%	7451	7%	3%	-4%	94,740,184	803,700	33,488	44,204
2006												
11/0/2005	11/0/2006	\$ 2.10	965		6972				91,872,760	832,921	34,705	45,811
8 yr average per year			1,023	13%	7126							