



Heating and Hotwater Cost per year for Single-Family-Houses in New England
Oil and Natural Gas compared to Solar Radiant Heat System from nobis Inc.

		Oil, Nat. Gas house 1	nobis solar house 1	Oil, Nat. Gas house 2	nobis solar house 2	Oil, Nat. Gas house 3	nobis solar house 3	Oil, Nat. Gas house 4	nobis solar house 4
Sq Ft		1,500	1,500	2,500	2,500	3,500	3,500	4,500	4,500
Energy loss per year (kwh)		35,000	35,000	55,000	55,000	70,000	70,000	80,000	80,000
Oil Price/Gallon	\$1.00	\$921.05	\$760.00	\$1,447.37	\$980.00	\$1,842.11	\$1,220.00	\$2,105.26	\$1,460.00
	\$2.00	\$1,842.11	\$760.00	\$2,894.74	\$980.00	\$3,684.21	\$1,220.00	\$4,210.53	\$1,460.00
	\$3.00	\$2,763.16	\$760.00	\$4,342.11	\$980.00	\$5,526.32	\$1,220.00	\$6,315.79	\$1,460.00
	\$4.00	\$3,684.21	\$760.00	\$5,789.47	\$980.00	\$7,368.42	\$1,220.00	\$8,421.05	\$1,460.00

Heating and Hotwater Cost for the next 10 year periode for Single-Family-Houses

Oil Price/Gallon	\$3.00	\$27,631.58	\$7,600.00	\$43,421.05	\$9,800.00	\$55,263.16	\$12,200.00	\$63,157.89	\$14,600.00
	\$4.00	\$36,842.11	\$7,600.00	\$57,894.74	\$9,800.00	\$73,684.21	\$12,200.00	\$84,210.53	\$14,600.00

Heating and Hotwater Cost per kwh

		Oil, Nat. Gas	nobis solar
Oil Price/Gallon	\$1.00	\$0.026	\$0.018
	\$2.00	\$0.053	\$0.018
	\$3.00	\$0.079	\$0.018
	\$4.00	\$0.105	\$0.018

1 KW	=	3412.14 BTU
	=	0.03413 Therm
1 BTU	=	0.000293 kw
1 Therm	=	29.3 kw
1 Gal Oil	=	39 kw