



Heating Cost Comparison per Therm*

WARNING

Rural Energy Enterprises, Inc. does not accept liability for the improper use of this information. Installation, service, and maintenance of heating equipment should be performed by a qualified technician. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life.

***Note: Heating costs are given as the COST PER THERM (100,000 BTU's). Match fuel cost with an estimated.**

Toyostove Laser Heaters (133,000 BTU's per gallon)

Cost of #1 fuel oil per gallon.	Stove Efficiency		
	L56	L73	L30
	84.5%	86.0%	81%
\$0.90	\$0.80	\$0.79	\$0.84
\$1.00	\$0.89	\$0.87	\$0.93
\$1.10	\$0.98	\$0.96	\$1.02
\$1.20	\$1.07	\$1.05	\$1.11
\$1.30	\$1.16	\$1.14	\$1.21
\$1.40	\$1.25	\$1.22	\$1.30
\$1.50	\$1.33	\$1.31	\$1.39

Electricity (3412 BTU's per kWh)

Cost per KWH.	Efficiency at 100%.
\$0.030	\$0.88
\$0.035	\$1.03
\$0.040	\$1.17
\$0.045	\$1.32
\$0.050	\$1.47
\$0.055	\$1.61
\$0.060	\$1.76
\$0.070	\$2.05
\$0.080	\$2.34

Pellets (8,600 BTU's per lb. dry)

Cost per ton.	Stove Efficiency				
	65%	70%	75%	80%	85%
\$100.00	\$0.89	\$0.83	\$0.78	\$0.73	\$0.68
\$110.00	\$0.98	\$0.91	\$0.85	\$0.80	\$0.75
\$120.00	\$1.07	\$1.00	\$0.93	\$0.87	\$0.82
\$130.00	\$1.16	\$1.08	\$1.01	\$0.94	\$0.89
\$140.00	\$1.25	\$1.16	\$1.09	\$1.02	\$0.96
\$150.00	\$1.34	\$1.25	\$1.16	\$1.09	\$1.03

Propane (91,800 BTU's per gal.)

Cost per gallon.	Stove Efficiency					
	65%	70%	75%	80%	85%	90%
\$0.60	\$1.01	\$0.93	\$0.87	\$0.82	\$0.77	\$0.73
\$0.70	\$1.17	\$1.09	\$1.02	\$0.95	\$0.90	\$0.85
\$0.80	\$1.34	\$1.24	\$1.16	\$1.09	\$1.03	\$0.97
\$0.90	\$1.51	\$1.40	\$1.31	\$1.23	\$1.15	\$1.09
\$1.00	\$1.68	\$1.56	\$1.45	\$1.36	\$1.28	\$1.21
\$1.10	\$1.84	\$1.71	\$1.60	\$1.50	\$1.41	\$1.33
\$1.20	\$2.01	\$1.87	\$1.74	\$1.63	\$1.54	\$1.45
\$1.30	\$2.18	\$2.02	\$1.89	\$1.77	\$1.67	\$1.57

Natural Gas (100,000 BTU's per therm)

Cost per Therm	Stove Efficiency					
	65%	70%	75%	80%	85%	90%
\$0.10	\$0.15	\$0.14	\$0.13	\$0.13	\$0.12	\$0.11
\$0.20	\$0.31	\$0.29	\$0.27	\$0.25	\$0.24	\$0.22
\$0.30	\$0.46	\$0.43	\$0.40	\$0.38	\$0.35	\$0.33
\$0.40	\$0.62	\$0.57	\$0.53	\$0.50	\$0.47	\$0.44
\$0.50	\$0.77	\$0.71	\$0.67	\$0.63	\$0.59	\$0.56

\$0.60 \$0.92 \$0.86 \$0.80 \$0.75 \$0.71 \$0.67

Heating Oil (138,000 BTU's per gallon)

Cost of #2 fuel oil.	Stove Efficiency						
	45%	55%	65%	70%	75%	80%	85%
\$0.80	\$1.29	\$1.05	\$0.89	\$0.83	\$0.77	\$0.72	\$0.68
\$0.85	\$1.37	\$1.12	\$0.95	\$0.88	\$0.82	\$0.77	\$0.72
\$0.90	\$1.45	\$1.19	\$1.00	\$0.93	\$0.87	\$0.82	\$0.77
\$0.95	\$1.53	\$1.25	\$1.06	\$0.98	\$0.92	\$0.86	\$0.81
\$1.00	\$1.61	\$1.32	\$1.11	\$1.04	\$0.97	\$0.91	\$0.85
\$1.05	\$1.69	\$1.38	\$1.17	\$1.09	\$1.01	\$0.95	\$0.90
\$1.10	\$1.77	\$1.45	\$1.23	\$1.14	\$1.06	\$1.00	\$0.94

Comparison Chart

Climate Multiplier: 200 for Coastal. 300 for Mild Interior. 400 for Cold Interior. 500 for Severe Cold. (Est. for average house construction.)

A. TOYOSTOVE cost/therm: _____	B. Climate Multiplier: _____	C: Annual Est. (AxB)_____
D. OTHER cost per therm: _____	E. Climate Multiplier: _____	F: Annual Est. (DxE) _____