

COMPARE ENERGY COSTS - ELECTRIC RESISTIVE HEAT TO FOSSIL FUELS

Resistive Electric Heat 100% Efficient price/kWh	Fuel Oil 65% efficient price/gallon	LP 90% efficient price/gallon	Natural Gas 90% efficient price/therm	Cost per Million BTU	
\$0.052	\$1.39	\$1.25	\$1.37	\$15.24	
\$0.054	\$1.44	\$1.30	\$1.42	\$15.82	
\$0.056	\$1.49	\$1.35	\$1.48	\$16.41	
\$0.058	\$1.55	\$1.40	\$1.53	\$16.99	
\$0.060	\$1.60	\$1.45	\$1.58	\$17.58	
\$0.062	\$1.65	\$1.50	\$1.63	\$18.17	* ECEC Off-Peak Electric Heat base rate
\$0.064	\$1.71	\$1.54	\$1.69	\$18.75	
\$0.066	\$1.76	\$1.59	\$1.74	\$19.34	
\$0.068	\$1.81	\$1.64	\$1.79	\$19.92	
\$0.070	\$1.87	\$1.69	\$1.85	\$20.51	
\$0.072	\$1.92	\$1.74	\$1.90	\$21.10	
\$0.074	\$1.97	\$1.79	\$1.95	\$21.68	
\$0.076	\$2.03	\$1.83	\$2.00	\$22.27	
\$0.078	\$2.08	\$1.88	\$2.06	\$22.85	
\$0.080	\$2.13	\$1.93	\$2.11	\$23.44	
\$0.082	\$2.19	\$1.98	\$2.16	\$24.03	
\$0.084	\$2.24	\$2.03	\$2.22	\$24.61	
\$0.086	\$2.29	\$2.08	\$2.27	\$25.20	
\$0.088	\$2.35	\$2.12	\$2.32	\$25.78	
\$0.090	\$2.40	\$2.17	\$2.37	\$26.37	
\$0.092	\$2.45	\$2.22	\$2.43	\$26.96	
\$0.094	\$2.51	\$2.27	\$2.48	\$27.54	
\$0.096	\$2.56	\$2.32	\$2.53	\$28.13	
\$0.098	\$2.61	\$2.36	\$2.58	\$28.71	
\$0.100	\$2.67	\$2.41	\$2.64	\$29.30	
\$0.102	\$2.72	\$2.46	\$2.69	\$29.89	
0.1036	\$2.76	\$2.50	\$2.73	\$30.35	* ECEC General Purpose base rate
\$0.106	\$2.83	\$2.56	\$2.80	\$31.06	
\$0.108	\$2.88	\$2.61	\$2.85	\$31.64	
\$0.110	\$2.93	\$2.65	\$2.90	\$32.23	
\$0.112	\$2.99	\$2.70	\$2.95	\$32.82	
\$0.114	\$3.04	\$2.75	\$3.01	\$33.40	
\$0.116	\$3.09	\$2.80	\$3.06	\$33.99	

Fuel	BTU Heat Content
Resistive Electric	3,413/kWh
Fuel Oil	140,000/gal
LP	91,500/gal
Natural Gas	100,000/therm

Example: If you are comparing resistive electric heat priced at \$0.062/kWh (6.2 cents/kWh), to a 65% efficient fuel oil system, you would have to buy fuel oil at \$1.65/gal., or less, to have as low an operating cost as the resistive electric heating system.

* ECEC rates subject to change at any time